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ABSTRACT

Results are reported of a study conducted to determine the status of available facility space in 113 North Carolina institutions of higher education at the end of the drop-add period of the 1989 fall term. Information is presented in four sections which reflect the four broad facilities concerns for which data is provided: the utilization of instructional space; interior space characteristics; building characteristics; and accessibility of facilities to the mobility impaired. The section on the utilization of instructional space provides ratios, percentages, and indices which relate the amount of instructional activity at an institution to various categories of campus space. The section dealing with interior space characteristics statistically describes campus space by its uses and the programs to which it is assigned. Also provided are data relating the sizes and capacities of classrooms and class laboratories. The section on building characteristics focuses on such data elements as building age, condition, and replacement cost. The final section describes the amount and type of campus space which is accessible to persons who are confined to wheelchairs. Contains an index, a list of participating institutions, and nine references. (GLR)

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STATE OF NORTH CAROLINA
HIGHER EDUCATION COMPREHENSIVE PLANNING PROGRAM

FACILITIES INVENTORY AND UTILIZATION STUDY 1989

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Centennial Campus, N. C. State University

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HIGHER EDUCATION COMPREHENSIVE PLANNING PROGRAM

FACILITIES INVENTORY AND UTILIZATION STUDY
FALL OF 1989

For
THE STATE OF NORTH CAROLINA

TWENTY-THIRD EDITION

THE UNIVERSITY OF NORTH CAROLINA
Commission on Higher Education Facilities
Chapel Hill, North Carolina

September 1990

Centennial Campus, North Carolina State University

(Front cover aerial photo by Lu Brennan, Campus Planning, NCSU - April 1990)

In its first hundred years, North Carolina State University has evolved from a small agricultural and technical college into the state's leading scientific and technological university and one of the nation's top 40 research institutions. As it begins its second century, NCSU is poised to become one of the world's preeminent scientific and technological universities forging innovative relationships between industry, government, and education. That future is taking shape on 1,000 acres of rolling fields surrounding Lake Raleigh on what was once a part of the Dorothea Dix Hospital grounds in southwest Raleigh. This is the future site of NCSU's Centennial Campus, an academic village and research center which in the decades after the turn of the century will have a daytime population of 20-30,000 and meet the housing needs of 10,000. The Centennial Campus will bring together academic inquiry and private sector technology in an intimate mix of public and private research facilities, and will more than double the size of the main campus of the University.

The new campus will help the University to carry on its land-grant institution tradition and mission of advancing the strength of business and the basic industries in North Carolina in a number of vital ways. The Centennial Campus will provide, both physically and intellectually, an ideal environment in which basic and applied research can enhance one another. University labs and classrooms will be grouped with private research labs around either a central courtyard or natural feature. These "research/ academic clusters", which form the basic building blocks of the campus, will promote close interaction between academic and industry researchers. This will, in turn, accelerate transfer of technology from idea to application and thus strengthen North Carolina-based industry as well as provide incentives for attracting new industry to the state.

A guiding principle behind the Centennial Campus is the "mixed-use" concept of bringing together people of diverse backgrounds and activities and facilitating their social and professional interaction. The research clusters, with their mix of private and University-operated labs, will contain three or four courtyards with pedestrian pathways. Shared facilities will include libraries, eating facilities, and other service areas to encourage interaction. A Village Core retail center, consisting of restaurants, office space, residential and other retail establishments, including a nearby excecutive classroom/ conference center, will encourage a high level of "academic community mixing". A second guiding principle behind the campus is to develop its potential as an "incubator" of new technologies, through attraction of high-tech small businesses, by providing a variety of flexible laboratory and business space, as well as access to all necessary support services.

The first cluster is currently being built north of the 75-acre Lake Raleigh and will feature the new School of Textiles facility. The overall campus plan envisions more than 11.6 million square feet of space, to include academic and research (3.7 million), residential (3 million), corporate and government (4.1 million), and auxiliary (.8 million). The master plan (back cover photo) was produced after a full year of intense study by a five-discipline development team headed by the Carley Capital Group of Washington. The team included representatives of the University, the City of Raleigh, and local planning groups. A resolution was reached which balanced University needs with marketplace realities and reflected the unique nature of the site and its environs.

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Note: Chancellors and Presidents are listed as of the publication date. The Project Officers are the persons who supplied the data used in this year's study.

Foreword

This study, the twenty-third in the annual series of facilities inventory and utilization studies, reflects the status of space in North Carolina institutions of higher education at the end of the drop-add period of the 1989 fall term at each college. It also gives indications of the uses being made of the space and provides, where feasible, norms and historical information for the past five years to enable institutions to make their own assessments of their facilities.

Statistics for private institutions are shown by group, rather than by institution, because of the agreement made with these institutions when the project was initiated. Annually, each institution is forwarded its own data and can then make a self-assessment on the basis of these data, its historical record, group data, and the norms cited for the various tables.

The purposes of this study include providing facilities data to federal and state authorities, making data on North Carolina facilities available to other commissions for comparative purposes, and providing participating institutions with data which may be helpful in the management of their facilities. This report presents selected summary information from the quantities of data assembled in the 1989 comprehensive planning studies.

Public senior institutions, community and technical colleges, and private institutions throughout the state have cooperated fully in time, energy, and funds to provide data for the studies. The participating institutions are listed in the preceding section. The gathering and review of data for the studies have been accomplished through the joint effort of the agencies providing membership to the Facilities Technical Committee.

Special acknowledgement and appreciation are expressed to the following individuals for their cooperation and contributions: Arthur Hohnsbehn of the Department of Community Colleges, Myron Dunston of N. C. Central University, Sheri Green of N. C. State University, Henry Holmes of the University of North Carolina-General Administration, and Thomas Heath of the Carolina Population Center. The Project Officers of the participating institutions deserve special recognition for the tremendous job they have done in providing the basic data for this study.

The commission staff also expresses appreciation to members of the Facilities Advisory Commission for their advice and counsel through the years.

Charles L. Wheeler
Director

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Introduction

The efficient use of campus facilities is of increasing concern to most colleges and universities. This concern is partially a reflection of the high costs involved in constructing and maintaining buildings, but it also stems from a broader recognition of the importance of facilities planning. The effective allocation and utilization of space is essential if an institution of higher education is to maximize its resources in accomplishing its objectives in the areas of instruction, research, and public service.

The primary purpose of the Facilities Inventory and Utilization Study is to provide higher education administrators with a detailed statistical profile of the facilities of their own campuses and of the other colleges and universities in North Carolina. The study also presents data which can provide the basis for comparative assessments of the extent to which space is used for instructional purposes. In short, this publication is intended as an important analytical tool for use in facilities planning. It is published annually by the State Commission on Higher Education Facilities, which is part of the University of North Carolina-General Administration.

Institutions Included

The study provides data for 113 institutions of higher education in North Carolina. This universe includes all of the sixteen public senior institutions which comprise the University of North Carolina, 39 private non-profit colleges and universities, and the 58 public two-year institutions which represent the Community College System. In addition, data are provided for UNC Hospitals at Chapel Hill, a part of the University of North Carolina. All proprietary institutions are omitted from the study, as well as two Bible colleges (John Wesley College and Roanoke Bible College) and a theological seminary (Southeastern Baptist Theological Seminary). The participating colleges and universities are listed by type of institution on pages v-x, along with the name of the President or Chancellor and the commission's project officer for each school. An alphabetical listing of these institutions, including mailing addresses and other information, can be found on pages 198-200.

At the request of the participating private colleges and universities, individual data for these institutions are not printed in the study. Instead, totals are reported for the three principal categories of private institutions: major research universities, general baccalaureate colleges, and junior colleges. Each private institution is provided with facilities data for its own campus in order to enable it to make comparisons with the relevant group totals in the study. Comparisons may be made among individual private institutions through direct project officer contact.

Because of the unique facilities requirements of medical schools, data for the Division of Health Affairs at East Carolina University and the University of North Carolina at Chapel Hill are listed separately from their parent campuses.

For similar reasons, the Higher Education Facilities Commission separately lists the data for North Carolina State University's School of Veterinary Medicine.

Types of Data Collected

The study is divided into four sections which reflect the four broad categories of facilities data which are reported: the utilization of instructional space, interior space characteristics, building characteristics, and accessibility of facilities to the mobility impaired. The section on the utilization of instructional space provides ratios, percentages, and indices which relate the amount of instructional activity at an institution to various categories of campus space. The section dealing with interior space characteristics statistically describes campus space by its uses and the programs to which it is assigned. It also provides data relating the sizes and capacities of classrooms and class laboratories. The building characteristics section focuses on such data elements as building age, condition, and replacement cost. The final section describes the amount and type of campus space which is accessible to persons who are confined to wheelchairs.

This study is designed to provide only a "snapshot" of institutional facilities at a particular point in time. Facilities data reflect all buildings which were completed as of October 1 of the year of the study. Utilization data reflect only the courses which were under way as of the drop-add period of the fall term. The data do not take into account any instructional activity that occurred during the spring semester or quarter.

It should also be noted that different types of institutions will often have very different space needs. As a result, two institutions with facilities which are equally well-utilized may have significantly different utilization data. Thus, it is generally unwise to attempt to make comparisons between two institutions which are dissimilar in terms of their levels or the instructional programs which they offer. Peer comparisons provide the most reliable means of assessment.

Procedures Used in Collecting Data

The Higher Education Facilities Commission maintains an annually updated, computer-based facilities inventory of each institution included in the study. A facilities inventory is comprised of a Building Characteristic Report and a Room Characteristic Report. The Building Characteristic Report lists and provides detailed information about each building on an institution's campus. The Room Characteristic Report lists every room in each building and provides information about its size and capacity. Each room is also coded to reflect its use and the institutional programs which it supports.

Each fall every institution supplies the commission with a list of changes in its facilities inventory occurring since the previous fall. Most of the colleges and universities provide these data by annotating a copy of their

previous year's inventory. An institution may choose, however, to provide its facilities update data by supplying the commission with a mainframe computer tape or PC diskette of its current facilities inventory.

Space utilization data are based on the annual submission by each institution of a list of its fall term courses. For each course, the institution provides information indicating when and where the class meets and the number of students enrolled. Many institutions also provide these data on computer tape or diskette. The others supply their utilization data on computer printouts or on specially designed utilization forms, and the commission keys this information onto master files at the Administrative Data Processing Center (ADP) in Chapel Hill. Each institution's course data are run against its updated facilities inventory to generate the Instructional Space Utilization Report. This report indicates how effectively an institution uses its facilities and measures its need for classroom and laboratory space in relation to comparable institutions.

Schools which need help in updating their facilities inventories or compiling utilization data are provided technical assistance by the Commission staff. Questions are answered by telephone, or if a problem is particularly complex, a campus visit is arranged. The commission staff also assists institutions by taking the measurements of new buildings for which the institutions have provided blueprints. During the past three years, because of improved in-house data processing capabilities, the commission has provided data search services, software, special analyses and facilities survey assistance to participating institutions making such special requests.

Both the facilities inventory updates and the utilization data from each school are reviewed carefully by the commission staff. Extensive computer edits are also used as a means of ensuring accuracy and consistency. When problems are discovered, the institutions are contacted for additional information or corrections.

Every year each institution receives two copies of its updated Building and Room Characteristic Reports and its Instructional Space Utilization Report. Also provided are two copies of the Building Data Summary Report, which analyzes in detail the institution's building data, and ten statistical tables which describe the institution's assignable area and its accessible space in terms of their use and the programs to which they are assigned. The reports and tables are also supplied to the Finance Division of the University of North Carolina-General Administration (UNC constituent institutions only), the Department of Community Colleges (two-year public institutions only), and to the Office of State Property of the Department of Administration (UNC constituent institutions only).

The Facilities Inventory and Utilization Study is based on the data contained in these tables and reports. It is distributed to the President or Chancellor of each institution, the commission's institutional project officers, the Higher Education Facilities Commissions in the other states, the libraries of the participating institutions, and the members of the commission's advisory committees. Copies are available without charge to persons who request them.

Limitations and Special Situations

This study contains reliable and useful information concerning the facilities of colleges and universities in North Carolina and their utilization for instructional purposes. It is important, however, to note two limitations in the data provided.

Although campus facilities would generally be viewed as including such things as parking lots, tennis courts, and radio control towers, this study is limited to data relating to buildings. For purposes of the study, a building is defined as any roofed structure. This definition does include trailers and other mobile units.

Because of technical problems in collecting course information from medical schools and related programs, utilization data are not supplied by the Division of Health Affairs at East Carolina University and the University of North Carolina at Chapel Hill, or by the Bowman Gray School of Medicine, the Duke University Medical Center, UNC Hospitals at Chapel Hill, or the North Carolina State University School of Veterinary Medicine. They are, therefore, excluded from most of the utilization tables. Separate enrollment figures are provided for these divisions, however, and Table 2 includes utilization data for the Veterinary School and the two Divisions of Health Affairs at public institutions (although these data are excluded from all totals).

Special situations exist at several institutions which create problems in reporting utilization data. The following changes in the utilization reporting procedures have been made to reflect these situations accurately and fairly in the data.

N. C. School of the Arts and St. Mary's College instruct secondary school students as well as students at the college level. To reflect this fact, high school courses conducted at these campuses were also considered in calculating student clock hours. The high school students were not included in the full-time equivalent enrollment figures for these institutions, however. In Table 2, this has the effect of significantly underestimating the total utilization of academic space for the School of the Arts and the Junior College subtotal as reported. It should also be noted that the programs conducted at the School of the Arts inherently require significantly more space per student than at other constituent institutions of the University of North Carolina. Comparisons of this institution's utilization with that of any other college or university would, therefore, be misleading.

The Department of Community Colleges now reports full-time equivalent enrollment (FTE) based on a contact-hour formula instead of the previous credit-hour calculation. This alteration was made two years ago by DCC and commission staff to conform to the official Department of Community Colleges FTE figure for data reporting and funding assignment. Because of problems with the previous calculation formula, this change has provided a better correlation to on-campus space utilization and ensured greater data integrity. Tables 2 and 12 of this study, with accompanying graphs on pages 19 and 71, are impacted by this conversion, which is further explained in their preceding texts.

Western Carolina University conducts a number of courses on the campus of the University of North Carolina at Asheville. Beginning in 1981, the student clock hours of UNC at Asheville reflected these WCU courses, as well as courses for WCU students sponsored by UNC at Asheville and conducted on its campus. Full-time equivalent enrollments of the WCU-sponsored courses at UNC at Asheville are, however, credited to WCU rather than to UNC at Asheville. Several Community Colleges have similar inter-campus course arrangements and FTE/student clock hour figures are derived in the same manner. In addition, Gardner-Webb College offers classes on the campus of Mitchell Community College. These classes have been included in the utilization data for Mitchell but are not reflected in the full-time equivalent enrollment for that institution.

As further clarification of institution groupings, graph references to "UNC Campuses" refer to the sixteen public Baccalaureate-granting institutions of the University of North Carolina. Table subtitles and graph legends for "Community Colleges" refer to the 58 Community and Technical Colleges of the North Carolina Community College system.

The data elements collected, formats maintained, and statistics generated by the North Carolina Commission on Higher Education Facilities adhere very strongly to nationally developed standards and procedures for facilities inventory and utilization surveying. In the interests of state and national comparability and standardization, changes such as addition/omission of data items and format/master file rearrangement are not made to suit the special interests or needs of a particular campus. Many North Carolina institutions accommodate these local information needs by including additional data on campus-maintained files, in formats suitable to campus researchers and planners, as a supplement to Facilities Commission (national standard) data. This office does, however, provide the special request, data processing services mentioned aboveto all North Carolina institutions for all data maintained on commission files. In addition, these services are provided to institutions which maintain supplementalor special campus information items when these data are provided with the request.

Jordan Hall, North Carolina State University
(Photo by Lu Brennan, Campus Planning, NCSU)

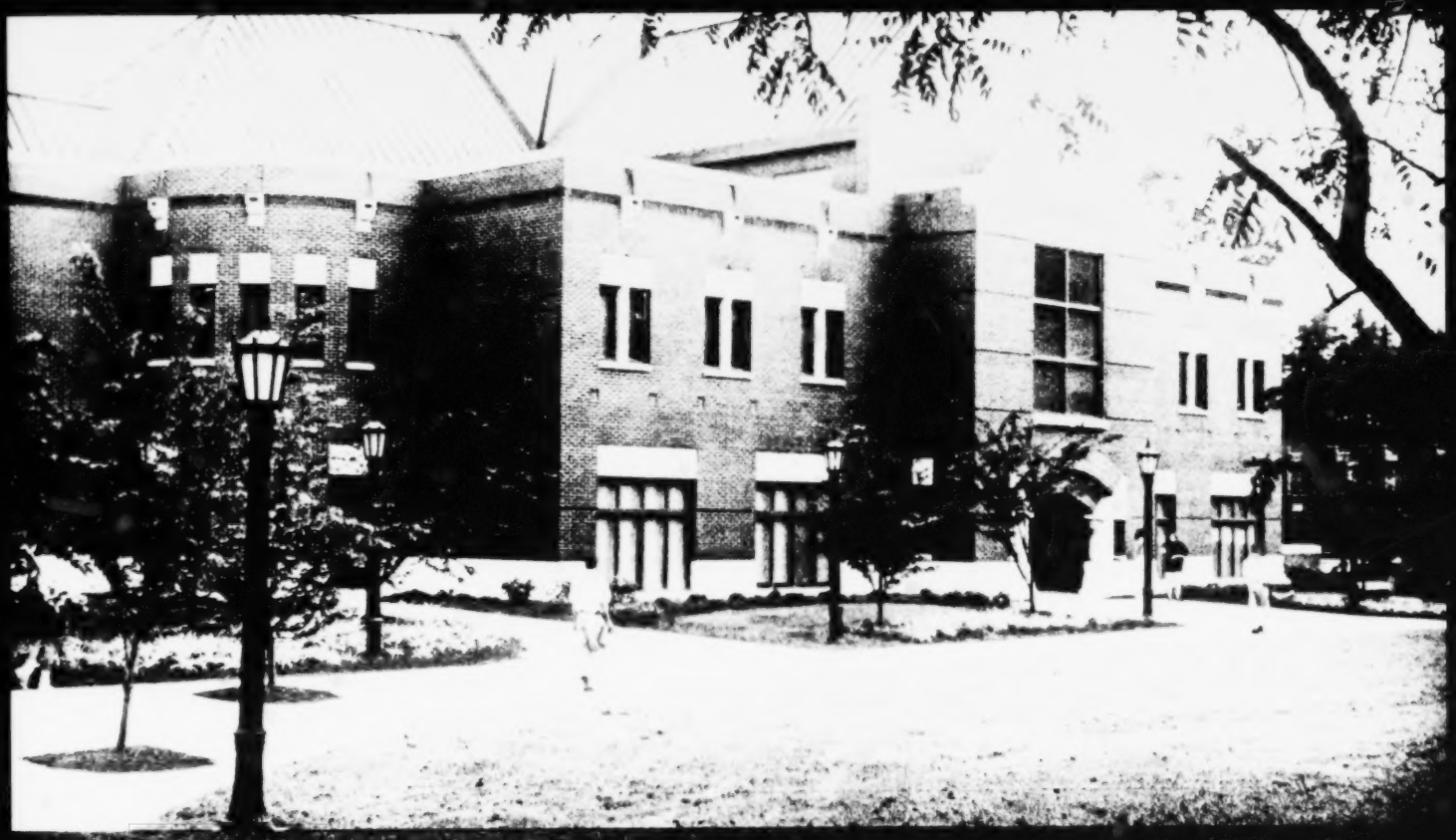
N.C. State's addition to the "original" campus this past year was Jordan Hall, a 104,600-square foot facility dedicated to the scientific study, conservation, and wise use of our natural resources. Located on the southern side of the Raleigh campus, Jordan Hall is home to the Natural Resources Research Center, aimed at coordinating departmental research and focusing the resources of NCSU and other institutions on critical natural resource and environmental issues.

Major space assignments in the $11.5 million facility have been made to the Department of Marine, Earth and Atmospheric Sciences in the College of Physical and Mathematical Sciences; and programs of the Department of Forestry in the College of Forest Resources. Also housed in Jordan Hall are the Natural Resources Library, the NCSU Computer Graphics Center, the University of North Carolina Water Resources Research Institute, and space for the UNC Sea Grant Program.

The building features Post Modern design with a curved glass wall, symbolizing ocean waves, along the front facade of the library. Free form granite 'clouds' float above each entrance. A balloon launching area for meteorological studies and an oceanographic sea water tank are located on the top of the building.

Built into the front plaza of Jordan Hall is the North Carolina Litho-Tectonic ("stone-structure") Map (inset photo). Over 62 feet long, this 850-square foot map portrays nine major rock belts, each with six subunits, which constitute the geological framework of North Carolina. Except for the Inner Piedmont and Coastal Plain, all rocks in the map were taken from the belts they represent.

Occupied in August 1989, Jordan Hall was dedicated in February 1990 in honor of the late R. B. Jordan, Jr. of Mount Gilead, and his children.



Ralph W. Ketner Hall, Catawba College

Catawba College's Campaign for Excellence drive (1985-88) and a $3 million gift from the co-founder and chairman of the board of Food Lion, Inc., has produced the campus's newest academic building--Ralph W. Ketner Hall. The three-story, 38,400-square foot brick structure, which was built at a cost of $4,062,000, was also made possible by gifts from college trustees, friends, and alumni, as well as a number of corporate donors from across the country.

The first floor houses the 154-seat Tom E. Smith auditorium and space for the Division of Teacher Education. Four amphitheater-style classrooms highlight instructional areas on the second floor and the Ralph W. Ketner School of Business occupies the third level. A striking feature of the building is the three-floor Delhaize atrium around which the entire facility is constructed.

Utilization of Instructional Space

Capacity/Enrollment Ratio 9
Sq. Ft. of Academic Facilities Per FTE Student 17
Room Hours of Instruction in Classrooms 24
Room Hours of Instruction in Class Laboratories 30
Use of Student Stations in Classrooms 36
Use of Student Stations in Class Laboratories 42
Percent Student Station Utilization 48
Student Clock Hours of Instruction 55
Space Factors 58
Range of Space Utilization Indices 62
Space Criteria 64
FTE Enrollments 69

TABLE 1:

CAPACITY / ENROLLMENT RATIO

The capacity/enrollment ratio, often referred to as the C/E ratio, is the amount of instructional and library space on campus divided by the total fall term student clock hours of that institution. The C/E ratio relates the amount of space directly used in an institution's instructional programs to the instructional activity of the campus. It is one of the most commonly used indices of instructional utilization of institutional facilities.

In analyzing and comparing the capacity/enrollment ratios, it should be kept in mind that a relatively low ratio generally indicates a high level of space utilization. It should also be noted, however, that such factors as the level of an institution and the kind of instructional programs that it offers will affect the amount of space required and, therefore, the C/E ratio. The capacity/enrollment ratio for all institutions of higher education in North Carolina has been between four and five for many years, but the graph on page 11 confirms that this ratio varies widely by type of institution.

Instructional and Library Space

Instructional and library space is defined in terms of program codes (pages 87-88, 93-95, 102-103, 108-109, 112-113) and room use codes (page 118). It is the sum of the areas of all rooms which carry both a program designation of 11-18 (Instruction), 41 (Library Services), or 01 (Unassigned, Capable of Use), and one of the room use codes listed below, with the exception that office space is omitted from program 01:

110 Classroom
115 Classroom Service

210 Class Laboratory
215 Class Laboratory Service

220 Special Class Laboratory
225 Special Class Lab Svc.

230 Individual Study Laboratory
235 Individual Study Lab Svc.

310 Office
315 Office Service

410 Study Room
420 Stack
430 Open Stack Reading Room
440 Processing Room
455 Study Service

510 Armory
515 Armory Service

520 Athletic-Physical Ed.
525 Athletic-Physical Ed. Svc.

Because of federal reporting requirements, all space associated with academic programs in theology (HEGIS taxonomy code 2300) is also excluded.

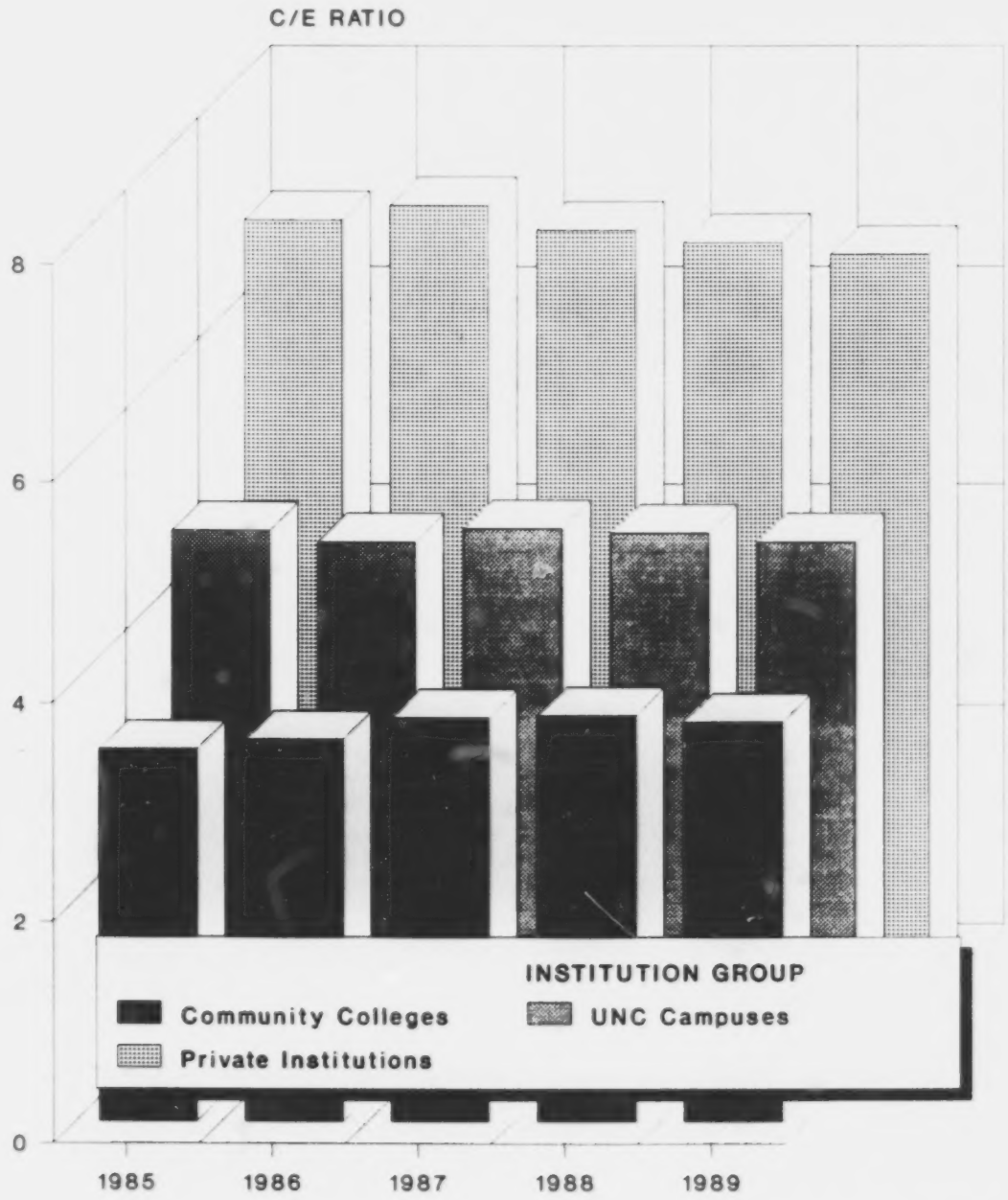
Student Clock Hours

Student clock hours is a measurement of the total weekly hours of scheduled instruction for all of an institution's students. It is computed for each course by multiplying the number of times the course meets each week by the number of hours of each course meeting (rounded to the half hour), and multiplying that product by the number of students. Thus, if a course with 20 students meets Tuesdays and Thursdays from 9:00 a.m. until 10:30 a.m., the number of student clock hours resulting from that class would be 60 (2 meetings/week x 1.5 hours/meeting x 20 students).

The student clock hours reported in this study are based upon on-campus courses, both credit and non-credit, which were in progress during the week following the drop-add period of the fall term and which lasted for at least eight weeks. More detailed student clock hour data are provided in Table 8.

$$\text{CAPACITY/ENROLLMENT RATIO} = \frac{\text{INSTRUCTIONAL \& LIBRARY SPACE}}{\text{TOTAL WEEKLY STUDENT CLOCK HOURS}}$$

CAPACITY/ENROLLMENT RATIO



Capacity / Enrollment Ratio

Table 1

INSTITUTION	ASF of Instructional & Lib. Facilities	Total Student Clock Hours	Capacity / Enrollment Ratio				
			1989	1988	1987	1986	1985
Major Research Universities:							
NC State	1,286,693	332,291.5	3.87	3.79	4.14	3.50	3.55
NC State Vet.	-	-	-	-	-	-	-
UNC-Chapel Hill	1,472,128	263,475.0	5.59	5.52	5.60	5.28	5.40
UNC-Health Aff.	-	-	-	-	-	-	-
SUBTOTAL	2,758,821	595,766.5	4.63	4.56	4.81	4.27	4.36
Other Doctoral Universities:							
UNC-Greensboro	577,315	144,497.5	4.00	4.03	4.33	4.84	4.99
Comprehensive Universities:							
Appalachian	638,021	157,621.5	4.05	4.30	3.88	4.13	4.44
East Carolina	738,576	195,469.0	3.78	3.87	3.37	3.53	3.59
ECU-Health Aff.	-	-	-	-	-	-	-
Fayetteville	215,909	36,572.5	5.90	6.65	6.68	4.63	4.62
NC A & T	543,466	84,472.0	6.43	6.74	6.09	6.38	5.83
NC Central	417,644	68,960.5	6.06	7.35	7.04	7.77	7.70
UNC-Charlotte	542,105	171,038.0	3.17	3.24	3.54	3.74	3.89
UNC-Wilmington	340,536	98,635.5	3.45	3.59	3.47	2.93	3.03
West'n Carolina	517,526	78,830.0	6.57	6.15	6.63	6.66	6.29
SUBTOTAL	3,953,783	891,599.0	4.43	4.62	4.48	4.55	4.60
Gen. Baccalaureate Universities:							
Elizabeth City	183,294	27,993.5	6.55	6.38	6.54	5.83	6.78
Pembroke	180,591	36,629.0	4.93	5.45	5.97	6.26	6.80
UNC-Asheville	177,112	39,272.0	4.51	4.71	4.27	4.29	4.53
Winston-Salem	217,795	33,223.5	6.56	6.61	6.56	6.05	6.60
SUBTOTAL	758,792	137,118.0	5.53	5.72	5.77	5.58	6.11

Capacity / Enrollment Ratio

Table 1

INSTITUTION	ASF of Instructional & Lib. Facilities	Total Student Clock Hours	Capacity / Enrollment Ratio				
			1989	1988	1987	1986	1985
Specialized Institution:							
NC Sch. of Arts*	172,962	18,451.5	9.37	7.33	8.32	7.94	8.40
Community Colleges:							
SUBTOTAL	5,962,174	1,644,558.5	3.63	3.69	3.67	3.47	3.38
PRIVATE INSTITUTIONS							
Major Research Universities:							
SUBTOTAL	1,202,289	184,367.5	6.52	6.56	6.58	6.81	7.02
Gen. Baccalaureate Colleges:							
SUBTOTAL	3,451,059	525,254.0	6.57	6.68	6.86	7.04	6.83
Junior Colleges:							
SUBTOTAL*	431,447	64,567.0	6.68	7.04	6.92	7.34	6.92
GRAND TOTAL	19,268,642	4,206,179.5	4.58	4.67	4.71	4.60	4.59

* High school courses at N.C. School of the Arts and St. Mary's College (Junior Colleges) are included in the data for these institutions.

Capacity / Enrollment Ratio

Table 1

INSTITUTION	ASF of Instructional & Lib. Facilities	Total Student Clock Hours	Capacity / Enrollment Ratio				
			1989	1988	1987	1986	1985
Community Colleges:							
Alamance CC	103,113	37,174.0	2.77	2.31	2.69	2.46	2.48
Anson CC	34,801	6,289.0	5.53	6.06	5.97	6.15	5.66
Ashev'le-Bun. TCC	156,831	41,795.5	3.75	4.67	4.14	3.46	3.64
Beaufort Co. CC	67,896	15,571.5	4.36	5.10	5.33	5.08	4.85
Bladen CC	51,446	9,702.5	5.30	6.00	6.69	5.09	5.23
Blue Ridge CC	83,404	17,845.5	4.67	4.78	4.39	3.94	3.83
Brunswick CC	63,496	11,786.0	5.39	7.99	5.69	4.92	4.86
Caldwell CC & TI	104,354	22,293.0	4.68	3.76	3.79	3.37	3.19
Cape Fear CC	104,365	38,320.0	2.72	2.81	2.98	2.84	3.23
Carteret CC	63,773	21,145.5	3.02	3.16	3.00	3.35	3.42
Catawba Vy. CC	149,987	40,115.5	3.74	4.07	3.76	3.80	3.57
C. Carolina CC	103,660	27,867.0	3.72	3.70	3.39	3.01	2.97
C. Piedmont CC	358,404	158,010.0	2.27	2.35	2.09	1.84	2.22
Cleveland CC	98,887	18,333.0	5.39	5.10	6.45	5.90	4.10
Coastal Car. CC	124,882	48,752.5	2.56	2.65	2.97	2.73	2.67
Col. Albemarle	76,354	25,553.5	2.99	3.71	3.73	3.48	3.47
Craven CC	78,634	31,209.0	2.52	2.36	2.39	2.69	2.85
Davidson Co. CC	107,383	27,169.0	3.95	4.12	5.04	3.66	3.46
Durham TCC	118,850	46,580.0	2.55	2.66	2.59	2.68	2.73
Edgecombe CC	70,630	12,622.5	5.60	5.80	5.90	5.69	6.10
Fayettev'le TCC	167,122	63,300.5	2.64	2.50	2.59	2.34	2.39
Forsyth TCC	229,542	62,255.5	3.69	3.73	4.42	4.13	3.88
Gaston Col.	149,207	40,086.5	3.72	3.72	4.08	4.44	3.69
Guilford TCC	301,021	93,151.5	3.23	3.49	3.33	3.22	3.53
Halifax CC	58,975	16,851.0	3.50	3.80	5.20	4.30	3.33
Haywood CC	117,004	25,827.0	4.53	4.35	4.70	4.29	3.50
Isothermal CC	128,773	25,898.5	4.97	4.64	4.49	4.60	4.29
J. Sprunt CC	63,874	11,563.5	5.52	5.85	6.31	6.21	5.53
Johnston CC	88,507	23,782.5	3.72	3.04	3.14	3.49	3.74
Lenoir CC	128,824	25,943.0	4.97	4.21	4.13	4.90	4.01

Capacity / Enrollment Ratio

Table 1

INSTITUTION	ASF of Instructional & Lib. Facilities	Total Student Clock Hours	Capacity / Enrollment Ratio				
			1989	1988	1987	1986	1985
Community Colleges:							
Martin CC	78,104	12,977.5	6.02	7.35	6.75	8.04	7.68
Mayland CC	35,924	10,290.5	3.49	4.63	3.67	3.64	3.42
McDowell TCC	57,266	11,050.0	5.18	6.13	6.20	4.08	4.36
Mitchell CC	116,827	25,561.5	4.57	4.82	5.56	4.31	4.79
Montgomery CC	36,134	7,026.0	5.14	4.79	4.92	4.45	4.89
Nash CC	105,108	20,933.5	5.02	4.68	3.91	3.90	2.80
Pamlico CC	20,814	3,281.0	6.34	6.42	8.47	7.61	8.43
Piedmont CC	52,917	9,437.0	5.61	5.58	5.82	5.46	5.83
Pitt CC	102,682	41,031.0	2.50	2.65	2.62	2.61	2.54
Randolph CC	103,634	24,438.5	4.24	4.50	4.60	4.52	3.76
Richmond CC	80,289	14,664.5	5.48	5.64	4.58	4.10	3.74
Roanoke-Cho. CC	57,168	10,667.5	5.36	5.67	5.61	5.32	4.45
Robeson CC	88,899	20,241.5	4.39	6.16	4.92	3.86	3.47
Rockingham CC	142,001	25,383.0	5.59	5.97	5.33	5.04	4.94
Rowan-Cab. CC	105,694	32,254.0	3.28	3.73	3.71	3.44	3.69
Sampson CC	60,197	15,289.5	3.94	4.49	4.42	2.73	2.53
Sandhills CC	123,457	32,024.5	3.86	3.23	3.65	3.33	3.44
Southeastern CC	91,564	21,594.0	4.24	3.98	4.40	4.36	3.72
Southwestern CC	82,462	16,635.0	4.96	6.04	4.57	4.22	3.29
Stanly CC	53,193	14,632.0	3.64	3.50	4.28	3.81	2.92
Surry CC	99,548	32,737.0	3.04	3.35	3.35	3.19	3.32
Tri-County CC	63,286	10,031.0	6.31	5.95	5.56	4.98	5.33
Vance-Granv. CC	80,092	25,325.5	3.16	4.16	3.34	3.43	3.18
Wake TCC	172,257	53,950.5	3.19	2.98	2.54	2.65	2.48
Wayne CC	147,025	32,872.0	4.47	2.89	3.42	3.37	2.97
W. Piedmont CC	80,479	29,954.0	2.69	2.81	3.31	3.53	2.91
Wilkes CC	85,786	26,098.0	3.29	2.99	3.30	3.32	3.26
Wilson Co. TC	85,368	17,384.5	4.91	4.09	4.93	4.76	3.97
TOTAL	5,962,174	1,644,558.5	3.63	3.69	3.67	3.47	3.38

TABLE 2:

SQUARE FEET OF ACADEMIC FACILITIES PER FTE STUDENT

The ratio of an institution's square footage of academic facilities to its full-time equivalent enrollment represents an important index of the instructional utilization of campus facilities. It was first used by the U. S. Office of Education as a planning standard in the 1960s. In 1969, the Office of Education published an extensive study entitled Federal Support for Higher Education Construction: Current Programs and Future Needs which provided normative figures by level and control of institution. The figures, which are still widely used in determining facilities needs, can be summarized as follows:

Institutional Level	Public	Private	Total
University	132	150	136
Four-year	93	103	98
Two-year	70	75	70
All Institutions	103	115	107

There is currently much national interest today in updating these norms through a new national survey of higher education facilities.

Academic Facilities

"Academic facilities" is a broader concept than "instructional and library space" (page 9). In general terms, it includes all space used for instruction, research, and the administration or support of instruction or research.

Academic facilities can be more precisely defined in terms of program codes (pages 87-88, 93-95, 102-103, 108-109, 112-113) and room use codes (page 118). The term refers to an institution's total assignable area (page 81) less the square footage of all rooms bearing program codes 42 (Museums and Galleries), 52 (Social and Cultural Development), 55 (Student Auxiliary Services), 56 (Intercollegiate Athletics), 65 (Faculty and Staff Auxiliary Services), 66 (Public Relations/Development), 91-92 (Independent Operations), and 02 (Incapable of Use). In addition, space with program code 63 (General Administration and Logistical Service) is deleted if it also has room use code 750 (Central Food Stores), or 760 (Central Laundry). Space with program 01 (Unassigned, Capable of Use) and any of the following room use codes is also excluded from academic facilities: 523 (Athletic Facilities Spectator Seating), 630 (Food Facilities), 635 (Food Facilities Service), 660 (Merchandising Facilities), 665 (Merchandising Facilities Service), 750 (Central Food Stores), 760 (Central Laundry), all of the 800s (Health Care Facilities), and all of the 900s (Residential Facilities). Because of federal reporting requirements, all space associated with academic programs in theology (HEGIS taxonomy code 2300) is also excluded.

FTE Enrollment

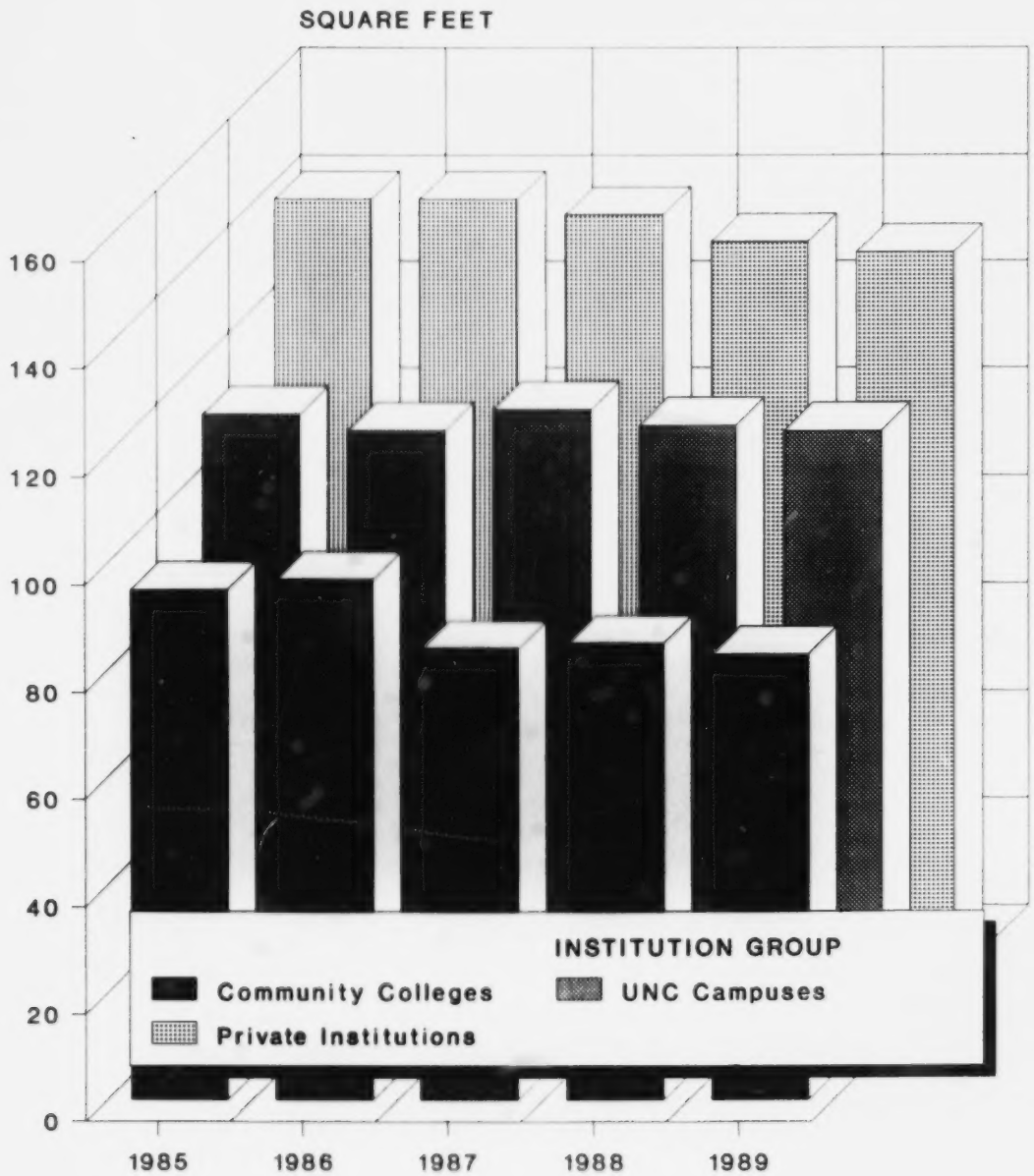
Full-time equivalent (FTE) enrollment is computed by assigning a percentage to each part-time student to reflect his/her course load and then adding the result to the total full-time enrollment. FTE enrollment differs from the other frequently used standard for estimating student populations, headcount enrollment, in that the latter treats full-time and part-time students identically. A more detailed description of the procedure used in calculating FTE enrollment can be found on page 69.

The FTE enrollments which are reported for the institutions of the Community College System exclude enrollment generated by off-campus instruction and enrollment in non-credit courses. Total FTE enrollments for these institutions--which take into account all credit instruction regardless of where it is conducted--are not listed in Table 2 because they are irrelevant to space utilization analysis. They are reported, however, in the parenthesized figures of Table 12.

The Department of Community Colleges now reports FTE figures based on a contact-hour formula instead of the previous credit-hour basis of calculation (see pages 69-70). To maintain an accurate table and graph presentation of trend over the past five years, figures for 1985-1988, in addition to the current 1989 figures, have been calculated on the basis of this conversion. This has had an overall impact of slightly increasing FTE and thus decreasing square feet of academic facilities per FTE student. For the community colleges, therefore, previous year figures for Table 2 and Table 12 in this study published before 1987 will not coincide with those in the 1987, 1988 and 1989 publications.

$$\text{SQ. FT. OF ACADEMIC FACILITIES PER FTE STUDENT} = \frac{\text{SQUARE FEET OF ACADEMIC FACILITIES}}{\text{FTE ENROLLMENT}}$$

SQUARE FEET OF ACADEMIC FACILITIES PER FTE STUDENT



Square Feet of Academic Facilities Per FTE Student

Table 2

INSTITUTION	ASF of Academic Facilities	FTE Enrollment	Sq. Ft. of Academic Facilities Per FTE Student				
			1989	1988	1987	1986	1985
Major Research Universities:							
NC State	2,714,206	20,859	130	129	136	126	125
NC State Vet.	215,268	268	803	774	780	763	851
UNC-Chapel Hill	2,494,779	18,138	138	135	140	129	132
UNC-Health Aff.	1,174,025	3,087	380	381	368	369	369
SUBTOTAL*	5,208,985	38,997	134	132	138	127	128
Other Doctoral Universities:							
UNC-Greensboro	944,586	10,200	93	91	96	95	101
Comprehensive Universities:							
Appalachian	959,220	10,774	89	90	89	93	99
East Carolina	1,079,733	13,487	80	80	74	78	80
ECU-Health Aff.	383,016	1,017	377	406	437	360	331
Fayetteville	319,837	2,606	123	139	141	104	102
NC A & T	886,761	5,864	151	161	160	152	153
NC Central	579,915	4,627	125	132	134	135	140
UNC-Charlotte	753,373	11,279	67	68	73	75	80
UNC-Wilmington	468,722	6,485	72	75	73	66	66
West'n Carolina	765,756	5,482	140	128	140	140	135
SUBTOTAL*	5,813,317	60,604	96	97	98	98	100
Gen. Baccalaureate Universities:							
Elizabeth City	276,855	1,641	169	172	169	157	172
Pembroke	241,718	2,652	91	105	113	121	127
UNC-Asheville	241,834	2,555	95	100	89	89	99
Winston-Salem	323,440	2,248	144	146	144	147	161
SUBTOTAL	1,083,847	9,096	119	126	125	126	138

Square Feet of Academic Facilities Per FTE Student

Table 2

INSTITUTION	ASF of Academic Facilities	FTE Enrollment	Sq. Ft. of Academic Facilities Per FTE Student				
			1989	1988	1987	1986	1985
Specialized Institution:							
NC Sch. of Arts**	242,115	482	502	496	451	456	430
Community Colleges:							
SUBTOTAL	7,460,986	89,681	83	85	84	78	77
PRIVATE INSTITUTIONS							
Major Research Universities:							
SUBTOTAL*	2,170,681	14,931	145	147	151	150	153
Gen. Baccalaureate Colleges:							
SUBTOTAL	4,558,035	37,383	122	125	130	134	132
Junior Colleges:							
SUBTOTAL**	546,403	3,362	163	164	166	175	168
GRAND TOTAL	28,028,955	264,736	106	107	110	104	104

* Division of Health Affairs and NCSU Veterinary School are excluded from all totals.

** The exclusion of high school student enrollment from this table results in a significant understatement of the total utilization of academic facilities at N. C. School of the Arts and St. Mary's College (Junior Colleges).

Square Feet of Academic Facilities Per FTE Student

Table 2

INSTITUTION	ASF of Academic Facilities	FTE Enrollment	Sq. Ft. of Academic Facilities Per FTE Student				
			1989	1988	1987	1986	1985
Community Colleges:							
Alamance CC	125,880	1,896	66	57	64	58	62
Anson CC	45,337	287	158	162	146	153	150
Ashev'le-Bun. TCC	188,816	2,365	80	108	93	85	88
Beaufort Co. CC	88,452	937	94	103	108	102	97
Bladen CC	62,914	481	131	154	135	121	115
Blue Ridge CC	106,520	1,066	100	117	95	86	82
Brunswick CC	94,058	640	147	148	123	103	108
Caldwell CC & TI	129,899	1,357	96	80	80	76	107
Cape Fear CC	128,666	2,163	59	60	63	58	73
Carteret CC	89,941	974	92	89	86	96	104
Catawba Vy. CC	186,478	2,092	89	107	95	90	93
C. Carolina CC	121,715	1,654	74	71	71	59	58
C. Piedmont CC	443,745	8,474	52	53	54	48	50
Cleveland CC	117,479	796	148	135	151	141	124
Coastal Car. CC	145,399	2,704	54	56	60	57	57
Col. Albemarle	90,621	1,113	81	90	92	89	85
Craven CC	87,426	1,189	74	83	88	84	70
Davidson Co. CC	133,887	1,760	76	79	78	76	79
Durham TCC	151,410	2,615	58	58	63	60	59
Edgecombe CC	82,682	817	101	107	120	100	89
Fayettev'le TCC	243,372	4,521	54	56	50	46	47
Forsyth TCC	273,190	3,128	87	89	103	96	98
Gaston Col.	176,187	2,594	68	66	76	69	68
Guilford TCC	369,453	4,966	74	81	74	81	88
Halifax CC	75,153	749	100	100	115	103	68
Haywood CC	156,710	1,129	139	147	145	138	116
Isothermal CC	153,196	1,288	119	116	101	88	82
J. Sprunt CC	78,362	609	129	125	124	113	116
Johnston CC	114,845	1,584	73	63	70	78	75
Lenoir CC	148,498	1,674	89	82	84	87	81

Square Feet of Academic Facilities Per FTE Student

Table 2

INSTITUTION	ASF of Academic Facilities	FTE Enrollment	Sq. Ft. of Academic Facilities Per FTE Student				
			1989	1988	1987	1986	1985
Community Colleges:							
Martin CC	96,502	536	180	184	161	177	173
Mayland CC	53,634	563	95	118	74	73	63
McDowell TCC	68,870	535	129	127	129	81	89
Mitchell CC	150,916	1,135	133	140	143	110	112
Montgomery CC	43,692	363	120	125	114	113	106
Nash CC	121,888	921	132	139	88	82	63
Pamlico CC	26,713	121	221	186	254	215	219
Piedmont CC	88,565	424	209	209	191	192	178
Pitt CC	126,612	2,273	56	57	57	53	54
Randolph CC	128,964	1,340	96	107	106	102	88
Richmond CC	105,059	846	124	120	99	89	84
Roanoke-Cho. CC	76,201	623	122	132	138	129	115
Robeson CC	112,235	1,118	100	128	110	92	82
Rockingham CC	166,156	1,415	117	132	120	106	113
Rowan-Cab. CC	133,386	1,572	85	90	90	88	96
Sampson CC	72,798	784	93	92	99	65	61
Sandhills CC	151,559	2,323	65	67	71	69	65
Southeastern CC	110,249	1,303	85	91	98	88	73
Southwestern CC	105,580	878	120	124	95	77	73
Stanly CC	63,275	831	76	79	85	78	75
Surry CC	118,268	1,733	68	72	75	69	69
Tri-County CC	73,424	590	124	115	136	119	110
Vance-Granv. CC	120,473	1,307	92	83	77	78	75
Wake TCC	218,873	2,872	76	72	66	61	59
Wayne CC	182,414	1,754	104	72	78	75	66
W. Piedmont CC	106,216	1,540	69	56	66	66	60
Wilkes CC	117,581	1,433	82	84	90	84	79
Wilson Co. TC	110,592	926	119	116	148	113	108
TOTAL	7,460,986	89,681	83	85	84	78	77

TABLE 3:

AVERAGE WEEKLY ROOM HOURS OF INSTRUCTION IN CLASSROOMS

The average weekly room hours of instruction in classrooms is calculated by dividing the total room hours of instruction in classrooms by the total number of classrooms. In more general terms, it is the average number of hours that an institution's classrooms are used for instructional purposes each week.

The total room hours of instruction in classrooms is the number of hours each week that each classroom is used for regularly scheduled classes. Thus, a classroom which is used Mondays, Wednesdays, and Fridays from 9:00 a.m. until 1:00 p.m. and on Tuesdays and Thursdays from 8:30 a.m. until noon would generate 19 room hours (4 hours/day x 3 days/week + 3.5 hours/day x 2 days/week). Table 3 indicates the total room hours of instruction in classrooms; the total number of classrooms can be found in Table 16.

For purposes of this study, a classroom is defined as a room used to conduct classes that do not require special-purpose equipment for student use. Thus, a classroom is by definition a general use facility which could be used for teaching the lecture portion of any course. If a room is used for regularly scheduled classes but has special equipment which ties it to a particular subject matter, then the room is a class laboratory and its use would not be taken into account in this table.

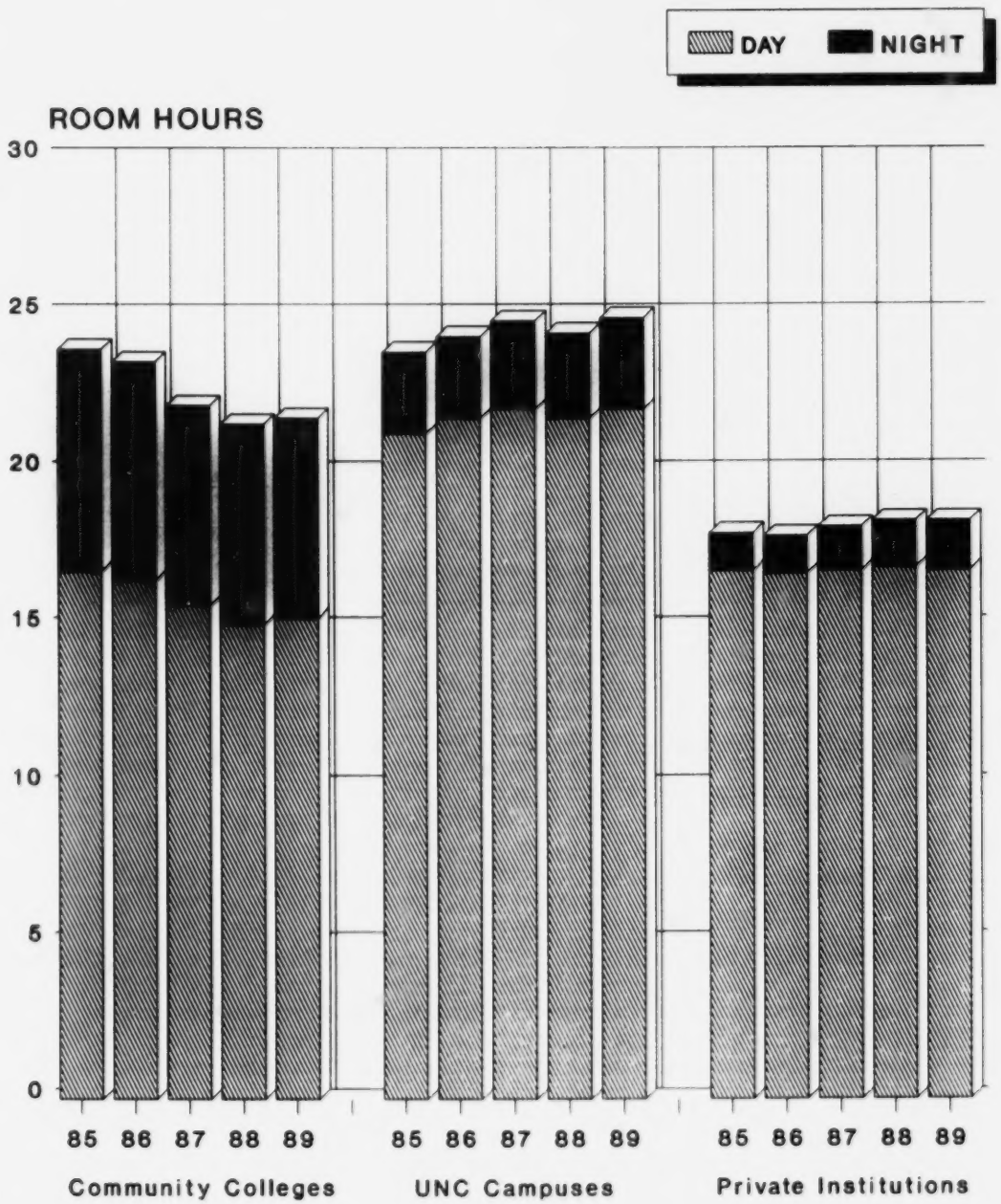
Table 3 separates average weekly room hours of instruction in classrooms into daytime and nighttime utilizations. Daytime utilization is based on all classes with beginning times between and including 5:00 a.m. and 4:59 p.m.; nighttime utilization is based on all other classes. The "All Hours" section of Table 3 indicates the sum of the daytime and nighttime figures for the last five years.

The average weekly room hours of classroom instruction can serve as an indicator of the adequacy of the number of classrooms at an institution. A frequently cited norm is 30 hours of instruction in classrooms per week, but the institutions in North Carolina and in many other states average significantly fewer hours.

AVG. WEEKLY ROOM HOURS OF INSTRUCTION IN CLASSROOMS =

$$\frac{\text{TOTAL ROOM HOURS OF INSTRUCTION IN CLASSROOMS}}{\text{TOTAL NUMBER OF CLASSROOMS}}$$

AVERAGE WEEKLY ROOM HOURS OF INSTRUCTION IN CLASSROOMS



Average Weekly Room Hours of Instruction in Classrooms

Table 3

INSTITUTION	Total Room Hours	Daytime Hours	Nighttime Hours	All Hours				
				1989	1988	1987	1986	1985
Major Research Universities:								
NC State	7,918.5	29.1	2.8	31.9	32.2	31.5	31.7	31.1
NC State Vet.	-	-	-	-	-	-	-	-
UNC-Chapel Hill	6,888.0	26.6	1.3	27.9	27.0	27.6	26.6	26.3
UNC-Health Aff.	-	-	-	-	-	-	-	-
SUBTOTAL	14,806.5	27.9	2.1	30.0	29.6	29.6	29.2	28.8
Other Doctoral Universities:								
UNC-Greensboro	3,568.0	21.7	3.6	25.3	25.5	24.2	20.6	20.8
Comprehensive Universities:								
Appalachian	4,684.5	27.4	1.7	29.1	27.7	30.2	29.0	28.6
East Carolina	5,345.5	19.0	3.6	22.6	22.5	27.2	26.3	25.3
ECU-Health Aff.	-	-	-	-	-	-	-	-
Fayetteville	1,278.0	17.6	3.7	21.3	24.4	24.5	24.3	23.6
NC A & T	2,783.0	14.0	2.2	16.2	14.4	14.6	15.7	15.3
NC Central	2,179.0	12.1	3.1	15.2	14.6	13.7	13.4	14.0
UNC-Charlotte	4,026.5	30.7	7.7	38.4	35.2	32.7	31.7	31.6
UNC-Wilmington	2,668.0	29.3	3.2	32.5	33.7	37.0	34.9	34.6
West'n Carolina	2,588.0	20.7	2.4	23.1	24.8	20.8	21.2	21.5
SUBTOTAL	25,552.5	20.5	3.3	23.8	23.2	23.9	23.6	23.4
Gen. Baccalaureate Universities:								
Elizabeth City	955.0	18.0	2.3	20.3	19.3	20.1	23.5	18.6
Pembroke	1,310.0	17.1	2.4	19.5	16.9	15.0	15.0	14.6
UNC-Asheville	1,327.5	22.5	7.7	30.2	32.8	38.5	36.7	31.4
Winston-Salem	1,116.5	12.4	2.1	14.5	15.1	16.0	15.7	14.1
SUBTOTAL	4,709.0	16.8	3.3	20.1	19.6	20.1	20.2	18.3

Average Weekly Room Hours of Instruction in Classrooms

Table 3

INSTITUTION	Total Room Hours	Daytime Hours	Nighttime Hours	All Hours				
				1989	1988	1987	1986	1985
Specialized Institution:								
NC Sch. of Arts	431.0	16.0	0.6	16.6	13.0	12.6	15.2	12.2
Community Colleges:								
SUBTOTAL	50,783.5	15.3	6.4	21.7	21.5	22.1	23.5	23.9
PRIVATE INSTITUTIONS								
Major Research Universities:								
SUBTOTAL	5,788.0	19.0	0.9	19.9	19.6	20.1	19.7	18.8
Gen. Baccalaureate Colleges:								
SUBTOTAL	20,473.0	16.3	1.9	18.2	18.4	17.9	17.8	18.0
Junior Colleges:								
SUBTOTAL	2,164.0	15.8	0.2	16.0	15.3	15.8	15.9	16.4
GRAND TOTAL	128,275.5	17.9	4.0	21.9	21.7	22.0	22.2	22.2

Average Weekly Room Hours of Instruction in Classrooms

Table 3

INSTITUTION	Total Room Hours	Daytime Hours	Nighttime Hours	All Hours				
				1989	1988	1987	1986	1985
Community Colleges:								
Alamance CC	1,054.5	18.2	8.2	26.4	36.3	30.2	31.4	28.8
Anson CC	242.0	15.1	3.5	18.6	19.0	13.7	15.7	22.4
Ashev'le-Bun. TCC	1,637.5	14.7	5.8	20.5	14.4	17.7	20.0	18.0
Beaufort Co. CC	593.0	16.1	5.9	22.0	20.2	19.2	18.1	19.6
Bladen CC	304.5	10.9	5.2	16.1	12.8	9.7	16.1	17.1
Blue Ridge CC	575.5	12.4	6.2	18.6	19.1	26.8	25.8	25.3
Brunswick CC	562.5	12.8	5.3	18.1	12.8	20.9	20.1	22.8
Caldwell CC & TI	696.5	14.4	6.1	20.5	24.4	22.4	26.8	24.9
Cape Fear CC	930.5	25.0	8.3	33.3	29.7	33.2	32.2	33.5
Carteret CC	725.0	15.8	9.2	25.0	24.9	24.8	19.1	21.1
Catawba Vy. CC	1,295.0	14.0	7.9	21.9	18.1	18.8	20.5	20.8
C. Carolina CC	950.5	18.8	8.3	27.1	27.9	27.7	31.6	32.4
C. Piedmont CC	3,911.0	19.2	6.9	26.1	28.3	30.0	36.6	33.1
Cleveland CC	595.0	8.9	6.8	15.7	17.3	15.7	18.0	18.7
Coastal Car. CC	1,490.0	25.1	10.4	35.5	36.0	33.9	37.6	35.0
Col. Albemarle	712.5	15.8	6.4	22.2	20.5	21.3	21.2	21.1
Craven CC	1,006.0	21.2	7.5	28.7	24.3	27.7	28.0	29.1
Davidson Co. CC	842.5	14.2	5.8	20.0	19.6	18.3	24.4	24.0
Durham TCC	1,513.0	19.5	10.1	29.6	29.2	29.6	27.8	23.2
Edgecombe CC	559.0	9.2	4.5	13.7	14.2	8.0	20.4	16.3
Fayettev'le TCC	2,426.5	24.3	8.1	32.4	30.4	30.2	31.9	34.5
Forsyth TCC	1,889.5	13.2	8.2	21.4	22.9	18.0	19.8	19.4
Gaston Col.	1,231.0	15.6	4.3	19.9	20.3	21.0	20.1	22.0
Guilford TCC	2,966.5	16.8	7.1	23.9	24.2	23.4	21.9	21.6
Halifax CC	451.5	13.5	5.3	18.8	18.0	15.5	19.6	26.7
Haywood CC	553.0	17.3	5.8	23.1	23.9	21.4	22.0	25.8
Isothermal CC	694.5	10.1	5.4	15.5	17.2	20.6	17.9	21.6
J. Sprunt CC	444.0	11.5	3.3	14.8	15.9	21.4	16.8	17.8
Johnston CC	768.5	16.9	7.1	24.0	25.1	29.1	22.2	21.2
Lenoir CC	810.0	11.3	2.7	14.0	18.0	17.8	17.0	19.7

Average Weekly Room Hours of Instruction in Classrooms

Table 3

INSTITUTION	Total Room Hours	Daytime Hours	Nighttime Hours	All Hours				
				1989	1988	1987	1986	1985
Community Colleges:								
Martin CC	296.0	11.6	3.2	14.8	15.3	15.5	13.5	14.9
Mayland CC	395.0	18.1	8.3	26.4	25.9	28.0	28.9	31.6
McDowell TCC	295.5	6.1	6.3	12.4	11.3	10.5	14.6	17.8
Mitchell CC	745.5	10.7	4.8	15.5	12.5	11.2	16.6	15.9
Montgomery CC	211.5	8.6	9.0	17.6	21.9	19.0	24.0	24.2
Nash CC	701.5	12.2	6.8	19.0	19.6	17.8	16.3	27.4
Pamlico CC	180.5	10.9	9.1	20.0	16.2	13.4	12.5	13.3
Piedmont CC	386.5	8.5	6.3	14.8	12.6	14.3	19.3	16.4
Pitt CC	1,160.0	26.2	9.0	35.2	34.5	32.4	26.8	26.9
Randolph CC	645.0	10.0	7.5	17.5	17.9	19.4	17.3	22.7
Richmond CC	466.5	8.3	5.0	13.3	17.6	19.0	19.8	24.5
Roanoke-Cho. CC	438.0	13.3	3.5	16.8	14.4	15.7	18.7	17.8
Robeson CC	634.0	10.0	8.6	18.6	12.2	19.8	23.4	21.1
Rockingham CC	787.5	12.5	5.4	17.9	18.2	24.4	24.2	22.8
Rowan-Cab. CC	1,086.0	15.1	8.5	23.6	21.2	21.8	24.3	22.3
Sampson CC	520.5	14.5	9.2	23.7	18.7	22.3	32.2	25.8
Sandhills CC	905.5	17.3	4.3	21.6	23.2	23.1	28.6	25.1
Southeastern CC	510.0	11.1	3.1	14.2	16.2	16.5	17.1	20.4
Southwestern CC	617.5	13.0	3.7	16.7	11.6	15.8	20.8	24.3
Stanly CC	567.5	15.2	6.7	21.9	21.9	16.0	20.2	23.5
Surry CC	813.0	18.7	8.4	27.1	23.3	26.2	26.9	24.8
Tri-County CC	322.0	6.9	6.0	12.9	15.2	20.4	24.3	17.7
Vance-Granv. CC	675.0	13.4	7.7	21.1	19.7	23.2	21.5	23.8
Wake TCC	1,900.0	20.2	4.8	25.0	23.8	32.1	32.7	28.4
Wayne CC	1,038.0	14.0	3.9	17.9	23.2	22.1	20.8	24.1
W. Piedmont CC	754.0	17.3	8.7	26.0	31.1	29.9	30.7	28.3
Wilkes CC	845.0	19.4	4.1	23.5	24.9	24.7	23.4	27.0
Wilson Co. TC	455.5	12.7	6.3	19.0	19.6	17.7	18.2	24.0
TOTAL	50,783.5	15.3	6.4	21.7	21.5	22.1	23.5	23.9

TABLE 4:

AVERAGE WEEKLY ROOM HOURS OF INSTRUCTION IN CLASS LABORATORIES

The average weekly room hours of instruction in class laboratories is calculated by dividing the total room hours of instruction in class laboratories by the total number of class laboratories. In more general terms, it is the average number of hours that an institution's class laboratories are used for instructional purposes each week.

The total room hours of instruction in class laboratories is the number of hours each week that each class laboratory is used for regularly scheduled classes. This figure is provided in Table 4; the total number of class laboratories can be found in Table 17. Table 4 also separates the average room hour data into daytime and nighttime uses of class laboratories. For specific definitions of "daytime" and "nighttime," and for a more detailed explanation of the calculation of total room hours, see page 24.

For purposes of this study, a class laboratory is defined as a room used primarily for regularly scheduled classes that require special-purpose equipment for student participation, experimentation, observation, or practice in a field of study. This definition excludes rooms used for regularly scheduled classes which have no special-purpose equipment (i.e., classrooms) and also excludes rooms with special-purpose equipment which are not used for regularly scheduled classes (i.e., other kinds of laboratories).

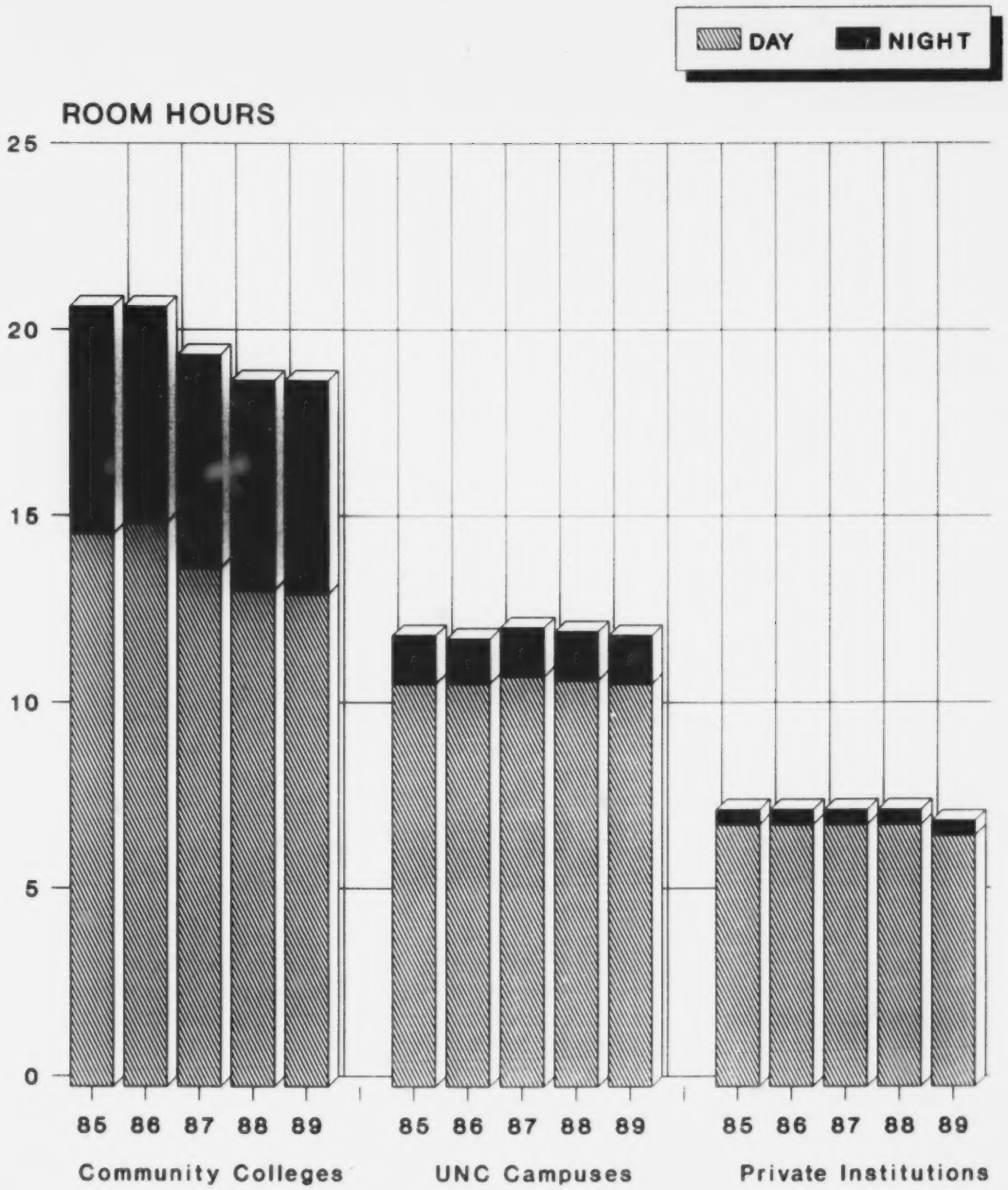
Table 4 can provide some indication of the adequacy of the number of class laboratories at a particular institution. Unfortunately, since the data reflect the utilization of all class laboratories, it is impossible to determine whether an institution's shortage (or surplus) of these rooms is limited to certain types or is "across the board." In such cases, an institution might be able to make a more useful measurement by determining the average weekly use of each type of class laboratory.

Because each class laboratory is designed for use in a particular field of study, most of them are not used as frequently as classrooms. A commonly cited norm for the average use of class laboratories is 20 hours per week. Many of the institutions of the Community College System exceed this figure, at least in part because of the technical nature of most of their instructional programs. The other colleges and universities in North Carolina generally fall well below this norm.

AVG. WEEKLY ROOM HOURS OF INSTRUCTION IN CLASS LABORATORIES =

$$\frac{\text{TOTAL ROOM HOURS OF INSTRUCTION IN CLASS LABORATORIES}}{\text{TOTAL NUMBER OF CLASS LABORATORIES}}$$

AVERAGE WEEKLY ROOM HOURS OF INSTRUCTION IN CLASS LABORATORIES



Average Weekly Room Hours of Instruction in Class Laboratories

Table 4

INSTITUTION	Total Room Hours	Daytime Hours	Nighttime Hours	All Hours				
				1989	1988	1987	1986	1985
Major Research Universities:								
NC State	2,427.5	9.6	0.9	10.5	12.0	11.5	11.4	11.3
NC State Vet.	-	-	-	-	-	-	-	-
UNC-Chapel Hill	1,459.0	13.9	1.9	15.8	16.9	17.4	17.5	16.1
UNC-Health Aff.	-	-	-	-	-	-	-	-
SUBTOTAL	3,886.5	10.9	1.2	12.1	13.4	13.2	13.2	12.5
Other Doctoral Universities:								
UNC-Greensboro	1,053.5	12.9	0.7	13.6	12.9	13.9	8.2	9.7
Comprehensive Universities:								
Appalachian	1,213.0	13.3	0.8	14.1	14.3	13.7	15.4	13.5
East Carolina	2,298.5	13.4	2.3	15.7	13.5	14.8	13.8	14.5
ECU-Health Aff.	-	-	-	-	-	-	-	-
Fayetteville	383.5	10.3	0.7	11.0	11.3	11.3	11.0	12.2
NC A & T	757.0	4.4	0.8	5.2	6.2	5.0	7.1	7.3
NC Central	338.5	5.8	0.7	6.5	3.7	5.8	6.2	6.1
UNC-Charlotte	1,691.5	17.4	3.5	20.9	19.5	20.0	17.1	16.2
UNC-Wilmington	639.5	17.6	1.7	19.3	17.5	16.6	15.3	15.5
West'n Carolina	598.5	10.5	0.8	11.3	12.4	11.5	12.9	12.8
SUBTOTAL	7,920.0	11.0	1.5	12.5	11.9	11.8	12.1	12.1
Gen. Baccalaureate Universities:								
Elizabeth City	291.0	10.1	1.1	11.2	12.9	12.0	11.8	11.4
Pembroke	191.5	8.4	0.3	8.7	9.1	10.6	8.4	7.9
UNC-Asheville	296.0	5.5	1.3	6.8	6.8	8.9	12.0	13.5
Winston-Salem	170.0	6.0	0.8	6.8	6.6	8.1	8.5	8.5
SUBTOTAL	948.5	7.2	1.0	8.2	8.7	10.0	10.1	10.2

Average Weekly Room Hours of Instruction in Class Laboratories

Table 4

INSTITUTION	Total Room Hours	Daytime Hours	Nighttime Hours	All Hours				
				1989	1988	1987	1986	1985
Specialized Institution:								
NC Sch. of Arts	749.5	13.7	1.3	15.0	15.8	13.1	12.4	16.9
Community Colleges:								
SUBTOTAL	38,512.5	13.2	5.7	18.9	18.9	19.6	20.9	20.9
PRIVATE INSTITUTIONS								
Major Research Universities:								
SUBTOTAL	569.0	5.0	0.2	5.2	8.9	6.8	8.4	7.1
Gen. Baccalaureate Colleges:								
SUBTOTAL	3,735.5	7.1	0.4	7.5	7.4	7.4	7.0	7.2
Junior Colleges:								
SUBTOTAL	604.5	6.8	0.1	6.9	7.0	8.2	7.8	8.1
GRAND TOTAL	57,979.5	11.3	3.4	14.7	14.9	15.2	15.6	15.6

Average Weekly Room Hours of Instruction in Class Laboratories

Table 4

INSTITUTION	Total Room Hours	Daytime Hours	Nighttime Hours	All Hours				
				1989	1988	1987	1986	1985
Community Colleges:								
Alamance CC	965.5	17.4	6.7	24.1	27.0	24.8	28.3	25.3
Anson CC	392.0	13.8	8.0	21.8	22.0	18.9	21.7	20.9
Ashev'le-Bun. TCC	706.5	11.4	4.6	16.0	15.6	17.8	21.1	19.4
Beaufort Co. CC	477.0	12.6	4.5	17.1	17.4	16.4	15.9	16.4
Bladen CC	425.0	9.7	7.3	17.0	16.4	17.4	17.6	18.3
Blue Ridge CC	558.0	17.6	6.7	24.3	26.9	26.3	27.0	28.8
Brunswick CC	242.0	9.9	6.2	16.1	9.2	16.9	15.0	16.7
Caldwell CC & TI	708.0	9.9	7.4	17.3	21.6	20.7	25.2	26.5
Cape Fear CC	954.5	17.5	7.0	24.5	24.3	25.0	27.8	23.3
Carteret CC	625.0	15.4	6.1	21.5	21.0	20.9	21.3	17.6
Catawba Vy. CC	954.5	12.8	7.5	20.3	18.2	20.0	19.5	20.5
C. Carolina CC	733.0	11.5	5.5	17.0	17.3	18.0	25.7	22.9
C. Piedmont CC	2,765.5	19.9	6.7	26.6	28.3	35.6	38.2	26.5
Cleveland CC	518.5	6.5	5.9	12.4	14.2	12.5	12.0	14.4
Coastal Car. CC	1,024.0	18.7	7.0	25.7	23.3	21.0	22.9	21.6
Col. Albemarle	493.0	11.9	4.0	15.9	15.1	12.9	16.5	18.0
Craven CC	689.5	18.8	5.8	24.6	27.5	29.3	28.4	28.0
Davidson Co. CC	539.0	10.2	5.6	15.8	15.5	13.6	18.9	18.2
Durham TCC	967.5	13.0	9.5	22.5	21.4	20.9	19.6	17.4
Edgecombe CC	470.5	9.0	3.7	12.7	12.1	7.7	14.7	15.6
Fayettev'le TCC	1,019.5	16.0	3.6	19.6	19.2	19.8	20.2	23.1
Forsyth TCC	1,244.5	13.5	7.0	20.5	19.9	18.8	18.1	19.4
Gaston Col.	556.0	7.0	4.1	11.1	12.5	13.7	10.1	13.9
Guilford TCC	1,703.5	11.7	5.8	17.5	17.3	20.2	18.9	18.5
Halifax CC	509.0	18.2	7.3	25.5	24.3	17.5	19.5	21.4
Haywood CC	1,274.0	18.2	3.0	21.2	22.3	20.1	21.1	24.4
Isothermal CC	662.0	12.1	5.8	17.9	22.0	19.6	20.5	22.2
J. Sprunt CC	369.5	12.7	3.4	16.1	16.9	19.2	17.4	22.4
Johnston CC	482.5	10.0	4.2	14.2	15.0	15.1	17.1	17.4
Lenoir CC	572.5	10.8	3.5	14.3	14.0	15.7	18.1	16.6

Average Weekly Room Hours of Instruction in Class Laboratories

Table 4

INSTITUTION	Total Room Hours	Daytime Hours	Nighttime Hours	All Hours				
				1989	1988	1987	1986	1985
Community Colleges:								
Martin CC	384.5	10.5	4.9	15.4	18.2	17.0	18.3	19.1
Mayland CC	223.5	14.6	10.2	24.8	21.7	29.7	27.6	28.5
McDowell TCC	496.0	10.6	10.0	20.6	22.4	24.5	24.4	23.1
Mitchell CC	499.5	10.1	6.0	16.1	14.6	15.1	18.4	15.2
Montgomery CC	500.5	15.2	6.6	21.8	22.5	20.3	23.9	21.0
Nash CC	556.0	10.8	6.6	17.4	16.6	21.5	17.5	22.5
Pamlico CC	167.0	13.4	7.5	20.9	19.2	15.6	17.4	14.7
Piedmont CC	349.5	11.6	6.8	18.4	14.5	13.6	14.3	11.6
Pitt CC	950.5	22.8	7.0	29.8	27.4	25.8	28.4	30.6
Randolph CC	653.5	14.3	4.9	19.2	17.0	19.7	19.9	21.3
Richmond CC	364.0	9.1	4.9	14.0	14.7	16.3	17.9	18.5
Roanoke-Cho. CC	229.0	9.2	2.8	12.0	12.5	15.4	25.7	27.0
Robeson CC	552.5	8.8	7.5	16.3	12.4	17.6	17.5	20.7
Rockingham CC	649.0	11.9	4.8	16.7	15.8	16.2	18.3	16.5
Rowan-Cab. CC	642.0	11.1	7.2	18.3	18.5	20.4	19.6	19.6
Sampson CC	374.0	12.9	4.9	17.8	17.8	22.4	26.9	30.5
Sandhills CC	612.5	11.5	4.2	15.7	18.7	16.6	18.1	20.1
Southeastern CC	451.0	11.6	2.9	14.5	13.9	13.8	15.7	15.1
Southwestern CC	379.0	7.2	2.6	9.8	7.6	11.3	10.6	12.9
Stanly CC	367.5	11.8	4.9	16.7	17.4	17.6	19.1	23.1
Surry CC	691.5	17.4	6.4	23.8	26.0	28.7	29.6	29.7
Tri-County CC	333.5	8.7	6.5	15.2	16.6	15.9	20.9	21.7
Vance-Granv. CC	825.5	15.6	10.2	25.8	18.5	21.9	23.8	22.6
Wake TCC	1,075.0	16.7	5.7	22.4	20.9	21.1	21.0	23.7
Wayne CC	817.5	12.3	2.9	15.2	18.9	18.6	20.1	21.3
W. Piedmont CC	617.0	15.7	8.9	24.6	25.6	21.6	20.8	24.5
Wilkes CC	475.0	14.2	2.7	16.9	19.9	23.4	23.0	21.0
Wilson Co. TC	675.0	13.7	7.4	21.1	22.4	21.9	24.1	25.4
TOTAL	38,512.5	13.2	5.7	18.9	18.9	19.6	20.9	20.9

TABLE 5:

AVERAGE WEEKLY USE OF STUDENT STATIONS IN CLASSROOMS

Average weekly use of student stations in classrooms is calculated by dividing the total number of student clock hours generated in classrooms by the total number of student stations in classrooms. More generally, it can be thought of as the average number of hours each week that each classroom student station is used.

For the current year, Table 5 reports the total number of classroom student stations and breaks down the average weekly use figure into daytime and nighttime utilizations. (See page 24 for precise definitions of classrooms and of daytime and nighttime utilizations.) For purposes of comparison, this table also lists the average weekly use of student stations for the previous four years.

The average weekly use of student stations can serve as an indicator of the adequacy of the number of student stations in classrooms. A norm which has been frequently cited is 18 hours per week. This figure is based on the assumption that the average weekly use of classrooms is 30 hours (see Table 3) and that there is 60% utilization of student stations when classrooms are in use (Table 7). Most North Carolina colleges and universities fall considerably below this norm, suggesting a surplus of classroom student stations.

$$\text{AVERAGE WEEKLY USE OF STUDENT STATIONS IN CLASSROOMS} = \frac{\text{TOTAL STUDENT CLOCK HOURS IN CLASSROOMS}}{\text{TOTAL STUDENT STATIONS IN CLASSROOMS}}$$

AVERAGE WEEKLY USE OF STUDENT STATIONS IN CLASSROOMS

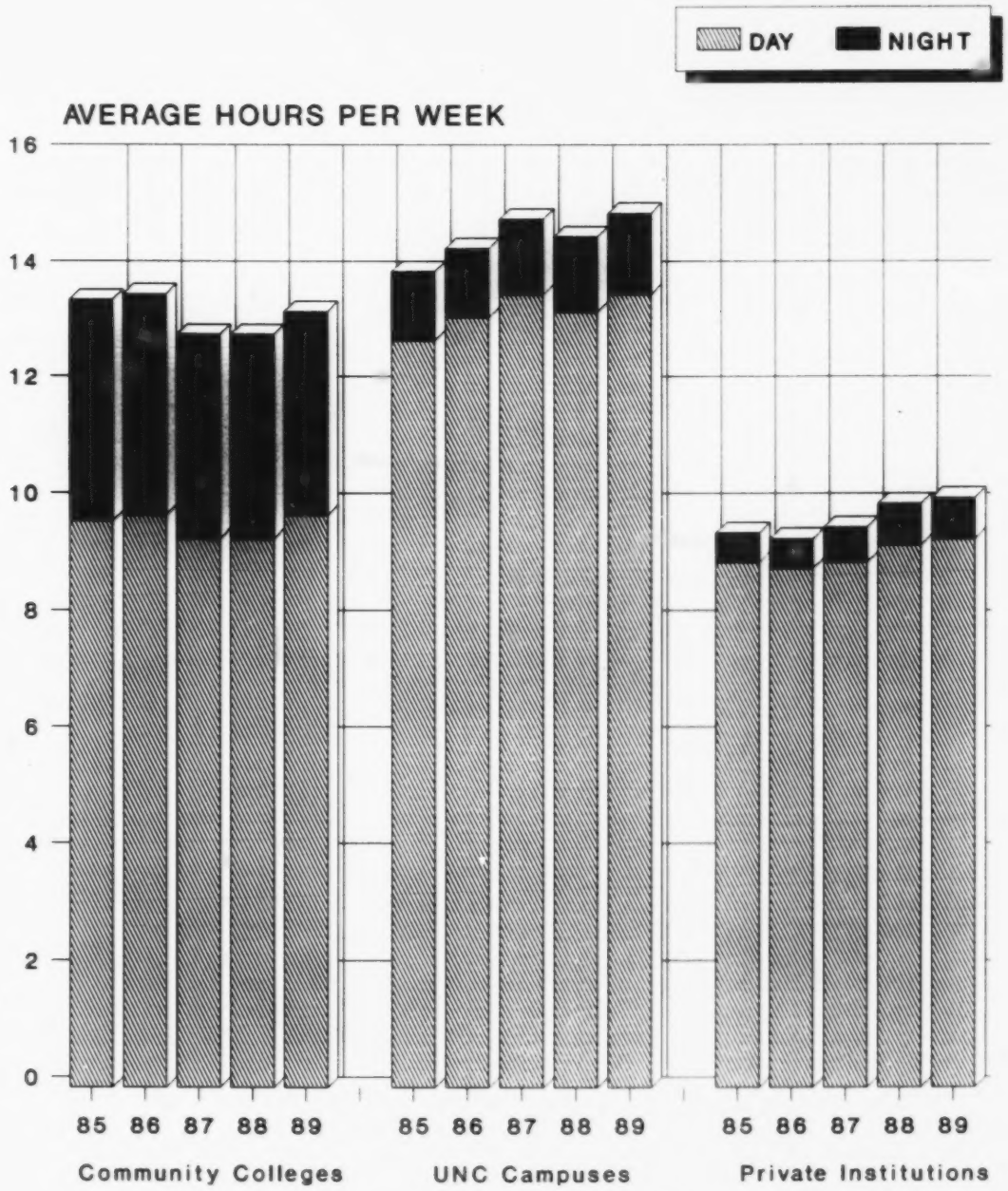


Table 5

Average Weekly Use of Student Stations in Classrooms

INSTITUTION	No. of Stations	Daytime Hours	Nighttime Hours	All Hours				
				1989	1988	1987	1986	1985
Major Research Universities:								
NC State	13,844	17.9	1.6	19.5	19.1	18.2	19.0	18.6
NC State Vet.	-	-	-	-	-	-	-	-
UNC-Chapel Hill	13,734	15.9	0.5	16.4	16.4	16.5	15.9	15.6
UNC-Health Aff.	-	-	-	-	-	-	-	-
SUBTOTAL	27,578	16.9	1.0	17.9	17.8	17.4	17.5	17.1
Other Doctoral Universities:								
UNC-Greensboro	7,025	14.2	1.8	16.0	16.4	14.9	13.3	12.8
Comprehensive Universities:								
Appalachian	7,168	16.9	0.7	17.6	16.9	18.3	17.1	16.6
East Carolina	11,151	11.9	1.7	13.6	13.7	17.4	16.6	15.5
ECU-Health Aff.	-	-	-	-	-	-	-	-
Fayetteville	2,332	9.4	1.8	11.2	11.5	11.4	12.5	12.5
NC A & T	7,119	8.0	0.9	8.9	7.7	8.8	8.5	9.3
NC Central	6,098	7.8	1.5	9.3	8.1	7.9	7.0	7.3
UNC-Charlotte	6,257	17.6	3.1	20.7	19.6	18.5	17.7	17.0
UNC-Wilmington	4,190	18.2	1.4	19.6	20.4	21.9	19.7	19.1
West'n Carolina	4,815	11.0	1.1	12.1	13.3	11.8	11.7	11.8
SUBTOTAL	49,130	12.6	1.5	14.1	13.7	14.5	13.8	13.6
Gen. Baccalaureate Universities:								
Elizabeth City	1,986	9.6	1.0	10.6	10.5	11.0	11.9	9.1
Pembroke	2,753	9.6	1.2	10.8	9.4	8.2	7.8	7.3
UNC-Asheville	1,973	11.4	3.4	14.8	15.8	18.3	19.7	14.7
Winston-Salem	3,600	6.4	1.0	7.4	7.7	7.5	7.5	6.8
SUBTOTAL	10,312	8.8	1.5	10.3	10.1	10.0	10.2	8.7

Average Weekly Use of Student Stations in Classrooms

Table 5

INSTITUTION	No. of Stations	Daytime Hours	Nighttime Hours	All Hours				
				1989	1988	1987	1986	1985
Specialized Institution:								
NC Sch. of Arts	729	8.8	0.3	9.1	7.6	7.4	8.7	6.7
Community Colleges:								
SUBTOTAL	73,847	9.8	3.5	13.3	12.9	12.9	13.6	13.5
PRIVATE INSTITUTIONS								
Major Research Universities:								
SUBTOTAL	14,043	10.7	0.5	11.2	11.1	11.1	10.9	10.4
Gen. Baccalaureate Colleges:								
SUBTOTAL	44,073	8.9	0.9	9.8	9.7	9.2	9.0	9.2
Junior Colleges:								
SUBTOTAL	5,110	9.8	0.1	9.9	9.0	9.5	9.0	9.6
GRAND TOTAL	231,847	11.2	1.9	13.1	12.8	12.8	12.8	12.5

Average Weekly Use of Student Stations in Classrooms

Table 5

INSTITUTION	No. of Stations	Daytime Hours	Nighttime Hours	All Hours				
				1989	1988	1987	1986	1985
Community Colleges:								
Alamance CC	1,620	9.4	3.8	13.2	17.4	14.4	15.3	14.5
Anson CC	270	7.2	1.7	8.9	9.2	7.2	7.5	10.9
Ashev'le-Bun. TCC	2,416	9.1	3.4	12.5	8.9	10.7	12.8	11.1
Beaufort Co. CC	820	8.8	3.0	11.8	9.8	9.2	9.0	9.8
Bladen CC	423	9.1	2.7	11.8	8.5	7.9	12.6	12.0
Blue Ridge CC	847	8.4	4.2	12.6	12.2	15.0	14.8	15.0
Brunswick CC	772	8.3	2.3	10.6	6.8	11.7	11.8	12.9
Caldwell CC & TI	965	9.7	3.4	13.1	14.2	14.2	15.7	15.3
Cape Fear CC	693	22.9	6.7	29.6	26.8	27.7	27.1	27.6
Carteret CC	778	11.3	5.8	17.1	16.4	16.0	12.2	13.1
Catawba Vy. CC	1,712	8.9	4.8	13.7	12.6	13.5	13.7	14.2
C. Carolina CC	1,035	11.4	3.6	15.0	16.4	16.2	19.1	19.9
C. Piedmont CC	5,123	14.2	4.7	18.9	17.7	20.0	22.3	17.7
Cleveland CC	1,205	4.4	3.7	8.1	8.9	6.5	8.3	9.2
Coastal Car. CC	1,230	17.9	6.7	24.6	23.8	21.6	25.3	25.6
Col. Albemarle	1,064	9.3	3.3	12.6	10.7	9.9	9.5	9.8
Craven CC	1,072	11.7	3.0	14.7	12.2	15.6	13.2	14.5
Davidson Co. CC	1,582	9.0	2.6	11.6	10.2	8.5	12.1	12.5
Durham TCC	1,630	14.2	5.3	19.5	18.8	18.1	16.0	14.9
Edgecombe CC	1,000	4.9	2.1	7.0	7.6	4.0	8.9	7.0
Fayettev'le TCC	2,997	12.6	3.4	16.0	16.6	15.7	17.8	17.1
Forsyth TCC	2,769	8.7	4.6	13.3	13.5	11.0	12.5	13.1
Gaston Col.	2,379	9.3	2.1	11.4	11.4	10.6	10.8	12.0
Guilford TCC	4,109	11.0	4.1	15.1	14.7	13.8	14.5	12.9
Halifax CC	720	8.4	2.4	10.8	10.1	8.5	11.5	14.1
Haywood CC	678	10.2	2.5	12.7	13.2	9.8	10.1	12.5
Isothermal CC	1,362	6.2	2.7	8.9	9.5	10.1	8.2	10.5
J. Sprunt CC	694	8.1	1.7	9.8	9.9	9.2	8.5	9.0
Johnston CC	1,100	11.0	3.6	14.6	16.1	15.8	12.1	10.2
Lenoir CC	1,676	7.9	1.4	9.3	11.7	11.0	10.4	11.3

Average Weekly Use of Student Stations in Classrooms

Table 5

INSTITUTION	No. of Stations	Daytime Hours	Nighttime Hours	All Hours				
				1989	1988	1987	1986	1985
Community Colleges:								
Martin CC	639	5.9	1.0	6.9	6.5	6.7	5.8	5.3
Mayland CC	418	10.9	4.0	14.9	10.8	10.9	12.1	13.0
McDowell TCC	673	3.3	3.1	6.4	5.0	4.9	6.9	7.3
Mitchell CC	1,593	6.9	2.2	9.1	7.6	7.1	10.0	9.1
Montgomery CC	241	3.4	5.5	8.9	10.6	12.6	14.3	8.9
Nash CC	1,302	6.2	3.6	9.8	11.2	8.7	7.6	15.0
Pamlico CC	190	4.5	4.4	8.9	9.2	7.1	6.9	7.1
Piedmont CC	502	5.7	5.3	11.0	11.2	10.4	10.1	8.0
Pitt CC	1,165	17.3	4.9	22.2	20.7	18.9	15.4	15.4
Randolph CC	870	9.1	5.3	14.4	14.5	15.3	14.2	18.5
Richmond CC	892	6.4	3.1	9.5	10.3	11.1	12.6	12.5
Roanoke-Cho. CC	715	7.4	1.6	9.0	8.5	8.3	9.5	10.5
Robeson CC	1,021	6.2	4.0	10.2	6.8	9.8	12.3	11.6
Rockingham CC	1,618	7.5	2.6	10.1	10.1	13.0	13.5	12.9
Rowan-Cab. CC	1,763	7.7	4.4	12.1	10.4	10.4	11.8	11.2
Sampson CC	660	9.7	4.6	14.3	11.5	11.0	15.3	13.3
Sandhills CC	1,574	10.9	2.3	13.2	13.7	13.5	14.9	13.6
Southeastern CC	1,204	8.5	1.8	10.3	9.8	10.6	10.3	10.6
Southwestern CC	1,137	6.8	1.5	8.3	7.2	7.9	8.6	12.0
Stanly CC	902	7.3	2.8	10.1	9.9	7.9	11.9	11.5
Surry CC	943	14.2	4.7	18.9	15.9	17.0	16.9	16.0
Tri-County CC	789	3.7	2.7	6.4	8.2	10.4	11.5	10.0
Vance-Granv. CC	1,029	7.8	3.9	11.7	10.2	12.3	10.6	11.9
Wake TCC	2,479	12.4	2.8	15.2	14.1	19.2	19.0	17.7
Wayne CC	1,890	7.8	2.2	10.0	14.5	11.9	11.1	13.2
W. Piedmont CC	960	11.4	3.8	15.2	18.0	16.6	15.0	15.7
Wilkes CC	1,243	11.6	1.7	13.3	15.1	12.3	11.9	12.9
Wilson Co. TC	694	8.1	3.9	12.0	12.2	11.2	10.7	12.7
TOTAL	73,847	9.8	3.5	13.3	12.9	12.9	13.6	13.5

TABLE 6:

AVERAGE WEEKLY USE OF STUDENT STATIONS IN CLASS LABORATORIES

Average weekly use of student stations in class laboratories is calculated by dividing the total number of student clock hours generated in class laboratories by the total number of student stations in class laboratories. More generally, it can be thought of as the average number of hours each week that each class lab student station is used.

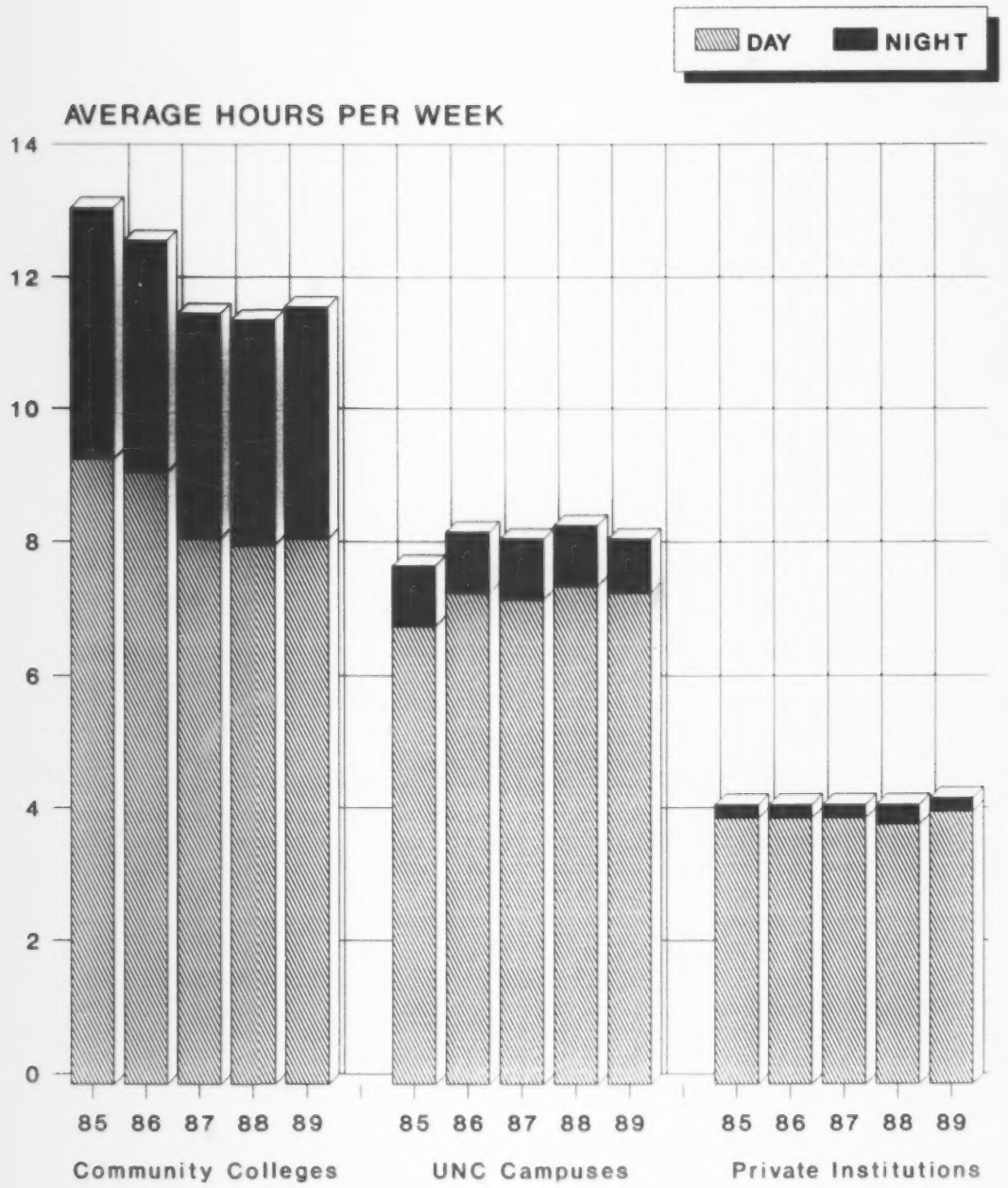
For the current year, Table 6 reports the total number of class lab student stations and breaks down the average weekly use figure into daytime and nighttime utilizations. (See page 30 for a discussion of what the term class laboratory includes and page 24 for precise definitions of daytime and nighttime utilizations.) For purposes of comparison, this table also lists the average weekly use of student stations for the previous four years.

The average weekly use of student stations can serve as an indicator of the adequacy of the number of stations in class laboratories. A norm which has been frequently cited is 16 hours. This figure is based on the assumption that the average weekly use of class labs is 20 hours (see Table 4) and that there is 80% utilization of student stations when class labs are in use (Table 7). Most North Carolina colleges and universities fall considerably below this norm. This fact suggests a surplus of class laboratory student stations but gives no indication whether this surplus exists for all types of class laboratories or is limited to the labs of certain academic disciplines.

AVERAGE WEEKLY USE OF STUDENT STATIONS IN CLASS LABORATORIES =

$$\frac{\text{TOTAL STUDENT CLOCK HOURS IN CLASS LABORATORIES}}{\text{TOTAL STUDENT STATIONS IN CLASS LABORATORIES}}$$

AVERAGE WEEKLY USE OF STUDENT STATIONS IN CLASS LABORATORIES



Average Weekly Use of Student Stations in Class Laboratories

Table 6

INSTITUTION	No. of Stations	Daytime Hours	Nighttime Hours	All Hours				
				1989	1988	1987	1986	1985
Major Research Universities:								
NC State	5,089	8.3	0.7	9.0	9.9	9.4	10.6	9.8
NC State Vet.	-	-	-	-	-	-	-	-
UNC-Chapel Hill	2,772	8.0	1.3	9.3	11.7	11.5	12.1	10.3
UNC-Health Aff.	-	-	-	-	-	-	-	-
SUBTOTAL	7,861	8.2	0.9	9.1	10.5	10.0	11.0	10.0
Other Doctoral Universities:								
UNC-Greensboro	2,069	9.2	0.4	9.6	9.1	8.9	5.2	5.7
Comprehensive Universities:								
Appalachian	2,201	10.1	0.7	10.8	10.3	8.3	10.0	6.8
East Carolina	3,235	8.6	1.1	9.7	9.6	10.4	10.0	10.3
ECU-Health Aff.	-	-	-	-	-	-	-	-
Fayetteville	1,206	5.2	0.3	5.5	5.8	5.8	6.8	6.7
NC A & T	4,051	2.8	0.7	3.5	4.1	3.6	4.1	4.3
NC Central	1,297	4.9	0.4	5.3	2.5	4.1	3.7	4.0
UNC-Charlotte	2,579	11.6	2.0	13.6	13.5	13.8	12.9	11.9
UNC-Wilmington	873	13.1	1.4	14.5	12.9	11.8	10.6	10.3
West'n Carolina	1,458	4.9	0.3	5.2	5.3	4.9	5.6	5.7
SUBTOTAL	16,900	7.3	0.9	8.2	8.0	7.8	7.8	7.4
Gen. Baccalaureate Universities:								
Elizabeth City	800	5.2	0.3	5.5	6.5	5.7	5.5	3.9
Pembroke	574	6.1	0.2	6.3	5.6	6.2	6.0	5.9
UNC-Asheville	1,020	4.3	0.9	5.2	4.8	4.8	9.1	8.9
Winston-Salem	675	3.7	0.4	4.1	3.6	4.2	4.5	4.7
SUBTOTAL	3,069	4.7	0.5	5.2	5.1	5.2	6.0	5.4

Average Weekly Use of Student Stations in Class Laboratories

Table 6

INSTITUTION	No. of Stations	Daytime Hours	Nighttime Hours	All Hours				
				1989	1988	1987	1986	1985
Specialized Institution:								
NC Sch. of Arts	1,138	8.2	0.9	9.1	10.1	8.8	7.9	10.1
Community Colleges:								
SUBTOTAL	47,214	8.2	3.5	11.7	11.5	11.6	12.7	13.2
PRIVATE INSTITUTIONS								
Major Research Universities:								
SUBTOTAL	2,414	3.9	0.1	4.0	5.6	5.3	6.9	6.1
Gen. Baccalaureate Colleges:								
SUBTOTAL	12,903	4.2	0.3	4.5	4.1	3.9	3.6	3.7
Junior Colleges:								
SUBTOTAL	2,054	3.9	0.0	3.9	4.2	5.1	4.6	4.9
GRAND TOTAL	95,622	7.2	2.0	9.2	9.2	9.1	9.6	9.7

Average Weekly Use of Student Stations in Class Laboratories

Table 6

INSTITUTION	No. of Stations	Daytime Hours	Nighttime Hours	All Hours				
				1989	1988	1987	1986	1985
Community Colleges:								
Alamance CC	1,060	8.9	3.1	12.0	13.9	12.6	14.6	15.0
Anson CC	351	4.7	4.1	8.8	8.2	8.4	10.1	9.7
Ashev'le-Bun. TCC	971	7.5	3.3	10.8	10.9	12.0	15.6	15.1
Beaufort Co. CC	617	6.8	2.6	9.4	8.5	7.8	8.8	9.6
Bladen CC	494	5.0	3.4	8.4	9.7	9.4	11.2	12.4
Blue Ridge CC	578	8.5	3.4	11.9	12.4	11.7	13.8	14.4
Brunswick CC	295	6.7	3.2	9.9	6.5	9.0	12.2	12.1
Caldwell CC & TI	726	6.4	5.1	11.5	14.2	13.8	16.0	17.6
Cape Fear CC	826	13.3	5.9	19.2	20.6	20.2	23.5	20.0
Carteret CC	674	8.1	3.2	11.3	11.6	13.1	12.2	10.3
Catawba Vy. CC	1,127	8.5	4.6	13.1	12.0	12.9	12.7	13.3
C. Carolina CC	916	7.8	3.1	10.9	11.0	11.6	14.6	14.6
C. Piedmont CC	2,848	13.1	4.8	17.9	16.3	18.4	19.6	17.7
Cleveland CC	940	3.6	4.0	7.6	7.8	6.9	6.3	7.5
Coastal Car. CC	922	12.4	4.7	17.1	14.6	13.4	15.5	15.3
Col. Albemarle	770	6.7	1.9	8.6	8.2	7.6	8.1	9.7
Craven CC	718	11.3	2.6	13.9	15.6	16.7	17.6	15.7
Davidson Co. CC	795	6.6	3.4	10.0	9.1	7.3	10.2	10.4
Durham TCC	992	8.3	5.8	14.1	15.1	15.3	15.4	15.7
Edgecombe CC	724	4.9	2.2	7.1	6.7	3.6	6.6	7.5
Fayettev'le TCC	1,264	9.7	2.0	11.7	12.0	11.6	12.8	13.8
Forsyth TCC	1,423	9.4	4.5	13.9	12.6	12.1	12.3	13.1
Gaston Col.	1,235	4.6	2.9	7.5	8.2	7.8	7.0	10.8
Guilford TCC	2,211	8.6	4.2	12.8	12.5	15.3	15.7	14.6
Halifax CC	501	7.2	2.8	10.0	10.1	6.3	7.7	10.5
Haywood CC	1,295	10.8	1.9	12.7	13.5	12.9	13.4	15.3
Isothermal CC	781	7.9	3.4	11.3	13.8	11.6	12.9	13.1
J. Sprunt CC	482	6.6	2.5	9.1	8.5	8.6	9.0	11.7
Johnston CC	818	6.9	1.9	8.8	9.5	9.2	9.7	11.3
Lenoir CC	885	7.9	2.3	10.2	9.9	10.8	9.5	9.8

Table 6

Average Weekly Use of Student Stations in Class Laboratories

INSTITUTION	No. of Stations	Daytime Hours	Nighttime Hours	All Hours				
				1989	1988	1987	1986	1985
Community Colleges:								
Martin CC	644	4.7	2.5	7.2	7.4	8.6	7.5	8.5
Mayland CC	215	6.9	4.8	11.7	13.2	12.4	11.7	11.1
McDowell TCC	566	5.3	5.7	11.0	11.5	11.4	12.6	12.1
Mitchell CC	815	6.1	3.2	9.3	10.3	8.3	10.7	8.8
Montgomery CC	348	8.8	4.4	13.2	13.7	12.3	14.0	10.1
Nash CC	552	8.2	5.1	13.3	12.7	14.8	12.4	17.6
Pamlico CC	121	7.5	4.8	12.3	12.2	9.2	11.8	9.0
Piedmont CC	430	5.1	3.8	8.9	8.6	8.3	8.6	7.4
Pitt CC	773	11.3	4.0	15.3	15.8	15.0	15.2	16.0
Randolph CC	728	11.6	2.6	14.2	13.0	13.7	15.2	16.9
Richmond CC	494	7.2	3.1	10.3	8.3	10.6	11.6	14.6
Roanoke-Cho. CC	458	5.4	1.4	6.8	7.0	7.1	9.9	11.8
Robeson CC	1,002	4.9	3.2	8.1	6.5	8.5	9.2	12.7
Rockingham CC	919	6.2	2.9	9.1	8.3	10.3	10.5	11.6
Rowan-Cab. CC	889	6.5	4.8	11.3	11.2	11.1	11.0	10.8
Sampson CC	550	6.4	1.9	8.3	8.5	9.4	15.8	19.2
Sandhills CC	1,020	7.1	2.3	9.4	11.5	9.5	10.5	10.4
Southeastern CC	791	7.6	1.5	9.1	7.8	7.7	10.0	9.9
Southwestern CC	869	4.1	1.6	5.7	4.3	6.7	6.2	6.3
Stanly CC	633	5.3	1.8	7.1	6.6	7.5	8.3	11.4
Surry CC	703	11.3	4.3	15.6	17.3	17.6	18.5	18.7
Tri-County CC	395	5.3	4.8	10.1	10.1	8.3	12.1	12.8
Vance-Granv. CC	819	9.7	5.5	15.2	10.8	11.6	13.2	13.2
Wake TCC	894	12.4	4.4	16.8	15.2	15.1	16.3	18.0
Wayne CC	1,336	8.6	1.3	9.9	12.6	11.3	12.4	12.6
W. Piedmont CC	583	11.7	5.9	17.6	16.5	13.8	13.9	17.4
Wilkes CC	702	8.4	1.1	9.5	11.4	11.8	12.2	12.1
Wilson Co. TC	726	6.7	4.4	11.1	11.4	10.6	12.6	12.7
TOTAL	47,214	8.2	3.5	11.7	11.5	11.6	12.7	13.2

TABLE 7:

PERCENT STUDENT STATION UTILIZATION, CLASSROOMS AND CLASS LABORATORIES

Percent student station utilization indicates the average percentage of student stations that are occupied when classrooms or class laboratories are in use. It is calculated by dividing the student clock hours generated in classrooms (or class labs) by the potential student clock hours for classrooms (or class labs) and multiplying by 100 to convert to a percentage. Potential student clock hours is computed on a room-by-room basis by multiplying the number of student stations in each room by the room hours of instruction generated by the room (Tables 3 and 4). It indicates the number of student clock hours which would be generated if every room were filled to capacity (i.e., if the number of students equalled the number of stations) each time a course met in the room.

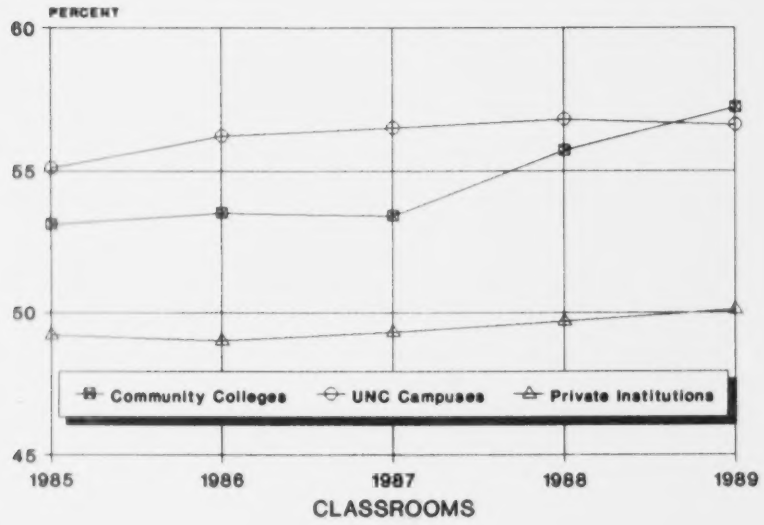
It is important to keep in mind that the percent student station utilization assesses the utilization of rooms only when they are in use. This figure is therefore a helpful indicator of how close to capacity an institution's courses are to the rooms in which they are scheduled. It does not, however, indicate the over-all efficiency of utilization since it does not take into account how frequently a room is used.

Frequently cited norms for percent student station utilization are 60% for classrooms and 80% for class laboratories. The higher percentage for class labs reflects the assumption that these rooms, although used less frequently than classrooms because of their specialized equipment, are usually closer to being filled to capacity when they are in use. Data for North Carolina colleges and universities, however, indicate that the percent student station utilization in class labs is not significantly higher than in classrooms. For both types of rooms, the average percentage is usually less than 60%.

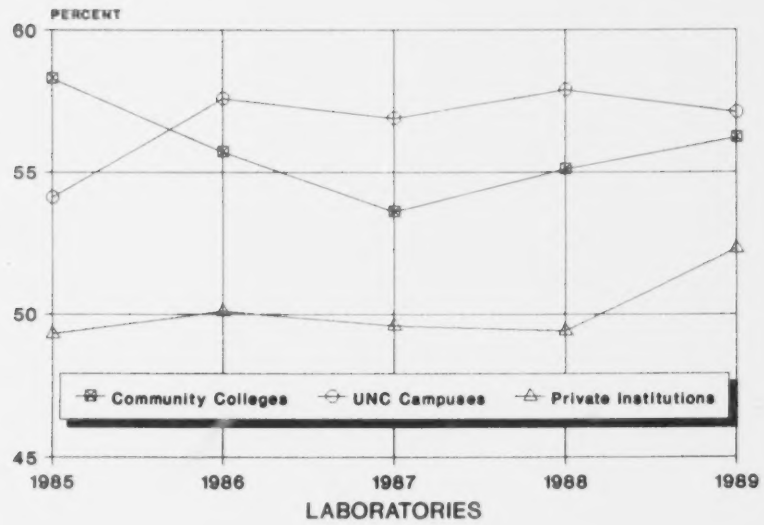
PERCENT STUDENT STATION UTILIZATION IN CLASSROOMS (OR CLASS LABS) =

$$\frac{\text{STUDENT CLOCK HOURS IN CLASSROOMS (OR CLASS LABS)}}{\text{POTENTIAL STUDENT CLOCK HOURS IN CLASSROOMS (OR CLASS LABS)}}$$

PERCENT STUDENT STATION UTILIZATION, CLASSROOMS AND CLASS LABORATORIES



CLASSROOMS



LABORATORIES

Table 7

Percent Student Station Utilization, Classrooms and Class Laboratories

INSTITUTION	Classrooms					Laboratories				
	1989	1988	1987	1986	1985	1989	1988	1987	1986	1985
Major Research Universities:										
NC State	60.5	58.9	55.8	58.6	57.5	71.4	70.1	69.5	71.6	68.4
NC State Vet.	-	-	-	-	-	-	-	-	-	-
UNC-Chapel Hill	58.7	60.5	60.7	59.4	57.9	48.0	61.3	58.7	62.0	55.8
UNC-Health Aff.	-	-	-	-	-	-	-	-	-	-
SUBTOTAL	59.7	59.7	57.9	59.0	57.7	60.8	66.7	65.3	68.0	63.7
Other Doctoral Universities:										
UNC-Greensboro	61.0	62.9	58.1	59.1	57.3	58.0	54.6	51.2	46.3	40.8
Comprehensive Universities:										
Appalachian	58.5	57.7	57.9	56.1	53.4	61.8	60.4	54.8	55.4	45.0
East Carolina	54.7	58.1	59.4	58.5	57.0	56.1	62.6	61.3	62.6	58.0
ECU-Health Aff.	-	-	-	-	-	-	-	-	-	-
Fayetteville	49.1	45.0	44.1	49.0	52.1	50.7	47.4	46.9	55.2	48.2
NC A & T	50.8	49.7	57.6	50.5	56.8	45.7	44.7	40.8	39.0	42.8
NC Central	55.7	49.4	51.5	48.9	47.3	69.4	52.5	58.8	46.4	53.1
UNC-Charlotte	57.4	58.2	58.0	58.6	55.9	59.9	63.9	65.1	70.2	70.1
UNC-Wilmington	60.2	59.8	60.9	59.1	55.5	66.6	65.3	62.4	59.2	57.9
West'n Carolina	50.4	52.1	52.9	51.5	51.5	38.4	37.7	40.0	38.9	37.5
SUBTOTAL	55.5	55.5	56.9	55.4	54.4	56.3	56.8	55.5	55.0	52.3
Gen. Baccalaureate Universities:										
Elizabeth City	48.2	49.8	48.2	46.2	45.2	39.3	40.2	44.8	40.9	36.6
Pembroke	54.5	55.6	53.6	51.0	48.8	61.8	48.7	50.3	58.0	58.0
UNC-Asheville	44.7	44.9	45.0	48.7	47.2	57.3	44.5	46.5	64.1	58.1
Winston-Salem	44.4	46.9	44.3	45.6	48.0	48.7	43.4	40.8	48.3	51.3
SUBTOTAL	47.7	48.9	47.2	47.7	47.4	50.3	43.9	45.9	51.1	50.0

Table 7

Percent Student Station Utilization, Classrooms and Class Laboratories

INSTITUTION	Classrooms					Laboratories				
	1989	1988	1987	1986	1985	1989	1988	1987	1986	1985
Specialized Institution:										
NC Sch. of Arts	53.4	50.8	53.8	53.3	47.3	54.9	56.1	53.8	51.7	50.7
Community Colleges:										
SUBTOTAL	57.2	55.7	53.4	53.5	53.1	56.2	55.1	53.6	55.7	58.3
PRIVATE INSTITUTIONS										
Major Research Universities:										
SUBTOTAL	50.5	51.5	50.0	51.4	52.1	65.9	56.3	66.6	71.3	72.9
Gen. Baccalaureate Colleges:										
SUBTOTAL	49.1	48.2	48.0	47.3	47.0	51.3	48.5	46.1	45.5	45.2
Junior Colleges:										
SUBTOTAL	60.3	59.4	58.7	56.3	57.4	47.4	51.0	53.1	50.5	49.4
GRAND TOTAL	55.3	54.8	53.9	53.7	53.1	56.1	55.4	54.1	55.6	56.3

Table 7

Percent Student Station Utilization, Classrooms and Class Laboratories

INSTITUTION	Classrooms					Laboratories				
	1989	1988	1987	1986	1985	1989	1988	1987	1986	1985
Community Colleges:										
Alamance CC	47.0	46.2	44.9	46.4	49.2	47.1	47.4	47.1	50.6	57.8
Anson CC	45.7	45.7	49.7	47.6	48.9	38.2	34.7	39.6	40.1	41.1
Ashev'le-Bun. TCC	57.3	57.8	54.5	60.4	58.0	62.7	63.4	61.7	70.0	71.8
Beaufort Co. CC	51.3	46.1	44.5	47.4	44.7	50.6	44.4	44.0	49.2	58.5
Bladen CC	61.5	63.1	66.1	72.6	56.4	47.4	59.9	54.2	64.9	67.2
Blue Ridge CC	63.6	57.6	55.5	55.8	58.6	46.9	45.2	43.2	50.6	48.9
Brunswick CC	58.3	48.6	52.9	54.6	51.6	57.5	61.2	50.9	79.8	67.4
Caldwell CC & TI	58.9	54.2	56.8	54.0	58.0	54.1	58.5	60.7	57.5	62.2
Cape Fear CC	90.0	87.3	79.5	80.1	78.1	74.5	81.7	77.3	78.5	81.0
Carteret CC	62.2	60.0	59.3	57.8	56.1	52.3	56.0	62.5	56.2	56.8
Catawba Vy. CC	59.1	64.7	66.9	61.9	63.8	62.5	65.5	61.3	61.4	59.6
C. Carolina CC	52.6	55.9	55.5	57.2	58.5	56.9	55.1	55.9	53.1	60.0
C. Piedmont CC	65.1	56.9	58.2	55.5	54.8	54.3	44.0	44.6	45.9	57.7
Cleveland CC	48.5	49.6	39.6	45.3	48.7	54.8	50.4	51.6	46.9	46.1
Coastal Car. CC	68.8	65.0	63.3	66.6	71.9	63.5	60.8	60.1	64.6	67.7
Col. Albemarle	56.9	50.8	44.0	43.2	43.8	49.1	51.4	53.9	48.3	52.4
Craven CC	49.0	48.3	53.5	45.1	47.5	54.0	55.5	53.6	60.4	54.7
Davidson Co. CC	54.9	51.2	47.9	46.8	52.0	57.9	54.9	47.0	52.1	54.7
Durham TCC	62.5	61.1	56.8	53.1	58.2	57.3	64.9	64.9	67.3	76.4
Edgecombe CC	43.8	46.9	43.6	41.4	40.9	45.9	43.7	36.7	37.8	45.9
Fayettev'le TCC	48.3	53.5	50.8	54.6	48.3	55.9	58.2	54.6	60.4	56.9
Forsyth TCC	58.7	55.2	57.2	58.0	61.6	66.8	64.1	66.0	70.3	68.3
Gaston Col.	58.6	58.5	53.1	55.0	57.1	62.1	60.1	51.7	64.2	72.5
Guilford TCC	62.4	60.2	56.3	61.7	56.1	66.6	65.5	69.1	75.5	72.6
Halifax CC	48.5	46.3	45.2	49.3	49.0	38.1	41.1	36.0	39.1	46.3
Haywood CC	52.3	53.1	49.0	47.1	45.9	57.1	56.3	60.2	61.4	59.1
Isothermal CC	55.3	52.4	39.4	42.4	43.9	51.3	53.9	44.0	49.9	48.2
J. Sprunt CC	56.7	53.5	39.5	48.2	48.3	45.7	39.9	37.9	45.4	48.7
Johnston CC	57.1	61.1	52.8	53.6	48.4	54.5	54.4	54.7	47.8	54.1
Lenoir CC	58.5	60.9	58.2	55.1	53.0	55.2	57.8	55.8	47.4	50.6

Table 7

Percent Student Station Utilization, Classrooms and Class Laboratories

INSTITUTION	Classrooms					Laboratories				
	1989	1988	1987	1986	1985	1989	1988	1987	1986	1985
Community Colleges:										
Martin CC	49.6	45.1	42.3	44.7	37.4	44.4	39.4	49.8	42.1	47.3
Mayland CC	57.1	39.8	36.8	38.8	39.4	49.0	61.9	40.4	41.7	37.6
McDowell TCC	45.4	40.4	40.6	49.5	39.3	50.6	48.5	42.4	46.2	47.9
Mitchell CC	56.5	57.0	54.7	52.1	48.7	52.1	63.5	49.9	53.0	55.2
Montgomery CC	45.3	47.7	61.7	56.5	36.2	56.1	55.6	58.4	55.9	45.9
Nash CC	52.1	52.8	49.2	45.7	50.9	68.8	70.8	60.0	66.7	70.7
Pamlico CC	38.4	52.6	44.5	45.6	43.2	50.4	51.3	48.0	54.1	54.9
Piedmont CC	66.5	73.6	61.4	51.8	45.4	47.8	54.2	51.3	55.0	56.3
Pitt CC	60.8	56.2	53.7	53.4	51.1	48.0	52.6	53.8	51.5	51.9
Randolph CC	74.8	72.4	71.6	70.3	70.4	70.1	71.9	67.4	72.7	76.9
Richmond CC	59.1	53.7	55.7	61.5	50.6	66.3	49.6	57.3	59.2	72.3
Roanoke-Cho. CC	47.2	53.4	50.6	45.0	55.3	54.7	55.4	49.3	38.7	42.1
Robeson CC	54.2	54.4	49.4	51.3	53.8	50.6	51.0	44.4	49.0	58.9
Rockingham CC	53.6	56.6	51.2	56.0	54.3	47.5	45.6	53.7	45.3	53.0
Rowan-Cab. CC	50.5	46.5	44.9	47.6	47.0	59.5	59.5	53.8	55.9	55.5
Sampson CC	53.0	51.4	43.4	42.3	44.3	52.0	48.7	43.4	56.1	57.3
Sandhills CC	58.3	54.2	52.4	50.3	51.7	53.8	58.7	52.3	51.6	48.3
Southeastern CC	63.4	53.6	60.6	58.8	52.3	62.7	55.0	53.6	59.5	62.5
Southwestern CC	44.4	47.1	43.9	41.2	50.1	59.7	52.8	58.0	55.3	46.0
Stanly CC	44.2	42.8	44.8	54.5	44.9	40.4	33.7	38.2	38.2	42.3
Surry CC	68.0	66.6	62.7	61.8	64.4	63.1	65.8	63.3	64.1	65.5
Tri-County CC	46.7	51.5	46.4	44.4	53.0	60.9	54.5	48.7	52.9	53.0
Vance-Granv. CC	53.5	44.5	48.6	44.8	45.3	56.3	53.2	51.2	53.1	55.0
Wake TCC	57.7	55.2	57.7	55.4	58.1	67.8	66.5	67.0	69.0	71.1
Wayne CC	48.2	55.5	47.9	48.2	48.6	60.0	61.4	53.2	54.3	53.1
W. Piedmont CC	60.7	57.5	57.0	48.7	55.9	65.4	60.0	57.6	58.0	60.5
Wilkes CC	54.2	59.7	47.3	49.1	45.6	54.9	51.8	45.2	53.4	53.4
Wilson Co. TC	55.6	57.1	58.8	53.5	50.1	46.5	44.2	43.9	46.7	45.7
TOTAL	57.2	55.7	53.4	53.5	53.1	56.2	55.1	53.6	55.7	58.3

TABLE 8:

STUDENT CLOCK HOURS OF INSTRUCTION

This table indicates the weekly student clock hours of instruction being conducted at the end of the fall drop-add period. Student clock hours are computed by multiplying for each course the number of hours that the course meets each week by the number of students enrolled. (To compute the number of hours that the course meets each week, the class length is rounded to the nearest half hour and multiplied by the number of times the class meets weekly.) The data reflect both credit and non-credit courses which were at least eight weeks in duration.

The columns headed "Laboratories" reflect instruction conducted only in class laboratories (room code 210). A precise definition of class laboratory is provided on page 30. The columns headed "Other" reflect instruction in rooms coded other than 110 and 210 (e.g., other types of laboratories, physical education facilities, offices). An outline of the room code structure is presented on page 118.

The number of clock hours conducted in a particular category of space is a function of the number of students enrolled, the nature of the instructional programs being pursued by the students, and the instructional philosophy of the institution. As a result, the number of student clock hours generated per FTE student varies by type of institution:

INSTITUTIONAL GROUP	STUDENT CLOCK HR./FTE
By Control:	
University of North Carolina	15
Private Institutions	14
Technical/Community Colleges	18
By Level:	
Major Research Universities	14
Other Baccalaureate-Granting Institutions	15
Two-year Institutions	18
All North Carolina Institutions	16

Table 8

Student Clock Hours of Instruction

INSTITUTION	1989			1988			1987		
	Classrooms	Laboratories	Other	Classrooms	Laboratories	Other	Classrooms	Laboratories	Other
Major Research Universities:									
NC State	269,365.5	45,953.5	16,972.5	263,423.0	46,742.0	16,434.0	254,551.5	44,663.0	14,683.0
NC State Vet.	-	-	-	-	-	-	-	-	-
UNC-Chapel Hill	226,200.5	25,767.0	11,507.5	229,036.0	25,458.0	11,200.5	221,973.0	24,471.0	15,318.5
UNC-Health Aff.	-	-	-	-	-	-	-	-	-
SUBTOTAL	495,566.0	71,720.5	28,480.0	492,459.0	72,200.0	27,634.5	476,524.5	69,134.0	30,001.5
Other Doctoral Universities:									
UNC-Greensboro	112,708.0	19,971.5	11,818.0	106,869.5	19,679.0	12,045.5	103,588.5	16,098.0	9,259.5
Comprehensive Universities:									
Appalachian	126,152.5	23,939.5	7,529.5	121,493.0	22,398.5	3,671.5	133,222.0	14,386.0	9,995.5
East Carolina	152,248.5	31,348.0	11,872.5	145,591.5	34,363.5	9,292.0	148,281.5	31,909.5	7,408.0
ECU-Health Aff.	-	-	-	-	-	-	-	-	-
Fayetteville	26,202.0	6,621.0	3,749.5	25,491.5	6,939.0	1,778.0	24,703.5	7,238.5	1,995.0
NC A & T	63,651.0	14,197.5	6,623.5	59,421.5	14,217.5	7,509.0	67,706.0	11,630.5	9,075.0
NC Central	56,645.5	6,895.5	5,419.5	49,749.5	3,392.0	3,986.0	48,984.0	5,766.0	4,479.5
UNC-Charlotte	129,450.0	35,036.0	6,552.0	127,000.0	31,534.0	9,131.5	119,495.5	28,313.5	7,034.0
UNC-Wilmington	81,923.0	12,646.0	4,066.5	77,712.0	11,634.5	3,824.0	76,987.0	10,776.5	4,163.5
West'n Carolina	58,136.0	7,500.0	13,194.0	58,681.0	8,182.0	12,713.5	58,272.0	7,918.5	12,441.0
SUBTOTAL	694,408.5	138,183.5	59,007.0	665,140.0	132,661.0	51,905.5	677,651.5	117,939.0	56,592.0
Gen. Baccalaureate Universities:									
Elizabeth City	21,100.0	4,423.5	2,470.0	20,781.0	5,193.0	2,779.0	18,788.5	3,916.0	3,238.5
Pembroke	29,700.0	3,636.5	3,292.5	28,383.5	4,324.0	2,836.5	23,993.0	4,554.5	3,147.0
UNC-Asheville	29,342.5	5,280.5	4,649.0	30,442.5	4,894.5	2,790.5	29,735.5	2,807.5	2,905.5
Winston-Salem	26,673.5	2,773.0	3,777.0	27,866.0	2,286.0	2,810.5	27,082.0	2,664.0	3,481.5
SUBTOTAL	106,816.0	16,113.5	14,188.5	107,473.0	16,697.5	11,216.5	99,599.0	13,942.0	12,772.5
Specialized Institution:									
NC Sch. of Arts	6,623.0	10,334.0	1,494.5	5,664.0	12,949.0	5,029.5	5,312.0	10,523.0	4,110.0
Community Colleges:									
SUBTOTAL	982,293.0	550,021.0	112,244.5	919,455.5	533,693.5	106,951.5	859,374.5	519,963.0	102,454.5
PRIVATE INSTITUTIONS									
Major Research Universities:									
SUBTOTAL	158,231.0	9,686.0	16,450.5	154,001.0	5,418.5	22,328.0	152,533.5	11,679.5	16,449.0
Gen. Baccalaureate Colleges:									
SUBTOTAL	431,353.5	57,786.5	36,114.0	413,484.5	53,037.0	35,171.5	388,288.5	50,430.0	38,155.0
Junior Colleges:									
SUBTOTAL	50,546.0	8,169.0	5,852.0	45,801.5	8,276.0	5,761.5	54,144.5	11,983.0	6,203.5
GRAND TOTAL	3,038,545.0	881,985.5	285,649.0	2,910,348.0	854,611.5	278,044.0	2,817,016.5	821,691.5	275,997.5

Table 8

Student Clock Hours of Instruction

INSTITUTION	1989			1988			1987		
	Classrooms	Laboratories	Other	Classrooms	Laboratories	Other	Classrooms	Laboratories	Other
Community Colleges:									
Alamance CC	21,342.5	12,696.5	3,135.0	20,579.5	12,333.5	2,300.0	17,241.0	11,046.5	2,084.0
Anson CC	2,389.0	3,078.0	822.0	2,480.0	2,881.0	379.0	2,483.0	2,949.5	535.0
Asheville-Bun. TCC	30,043.0	10,529.0	1,223.5	25,683.0	12,461.0	1,471.0	25,302.5	13,106.5	1,347.0
Beaufort Co. CC	9,706.5	5,817.0	48.0	8,154.0	5,141.5	15.0	8,450.0	4,601.0	66.0
Bladen CC	4,966.5	4,150.0	586.0	3,189.5	4,904.5	88.0	2,199.0	4,528.0	54.5
Blue Ridge CC	10,683.5	6,862.0	300.0	9,418.0	7,124.5	431.0	8,982.5	6,010.5	173.0
Brunswick CC	8,231.0	2,921.0	634.0	5,116.5	3,250.5	96.0	5,081.0	3,102.0	268.0
Caldwell CC & TI	12,734.5	8,317.0	1,241.5	12,593.0	8,973.0	1,060.0	12,569.5	8,643.5	1,242.0
Cape Fear CC	20,533.0	15,904.0	1,883.0	17,705.0	15,704.0	2,532.0	15,654.0	15,655.0	2,359.0
Carteret CC	13,313.0	7,622.5	210.0	11,455.0	7,895.0	50.0	11,528.0	8,654.0	126.0
Catawba Vy. CC	23,514.5	14,845.0	1,756.0	22,500.5	12,192.5	2,081.5	17,977.5	11,696.5	1,706.0
C. Carolina CC	15,494.5	9,955.5	2,417.0	15,506.5	9,501.0	1,349.5	16,459.0	9,982.0	2,358.5
C. Piedmont CC	97,122.0	51,115.5	9,772.5	92,259.5	45,971.5	11,665.5	102,759.0	50,048.0	12,344.5
Cleveland CC	9,826.0	7,165.0	1,342.0	9,177.0	7,340.0	460.0	6,892.5	7,124.0	256.0
Coastal Car. CC	30,312.0	15,783.5	2,657.0	31,718.0	12,125.0	2,543.0	28,529.0	10,968.0	1,778.0
Col. Albemarle	13,417.5	6,625.5	5,510.5	9,949.0	6,461.0	3,144.5	9,437.5	5,674.5	4,305.0
Craven CC	15,746.0	9,993.0	5,470.0	13,109.5	11,244.5	9,030.0	16,816.0	12,039.0	4,015.0
Davidson Co. CC	18,293.0	7,960.0	916.0	16,104.0	7,249.0	2,213.5	13,509.0	6,112.0	1,557.0
Durham TCC	31,700.0	13,994.5	885.5	28,769.5	13,899.5	635.0	24,976.0	14,238.0	2,927.5
Edgecombe CC	7,011.0	5,147.5	464.0	7,560.5	4,441.0	135.0	3,960.5	2,416.0	5,511.0
Fayettevile TCC	47,753.5	14,703.0	844.0	49,282.5	15,214.0	908.0	45,830.0	14,656.0	1,557.0
Forsyth TCC	36,703.0	19,796.0	5,756.5	36,558.0	17,365.5	2,599.0	29,189.0	16,566.0	1,623.0
Gaston Col.	27,164.0	9,221.5	3,701.0	23,635.0	10,091.0	4,646.0	21,840.0	9,647.5	3,433.0
Guilford TCC	62,248.0	28,313.0	2,590.5	55,750.5	29,137.0	3,619.0	47,355.5	31,125.5	2,860.5
Halifax CC	7,772.0	5,024.0	4,055.0	7,567.0	5,025.5	3,351.0	5,430.5	4,005.5	2,772.0
Haywood CC	8,630.0	16,548.0	649.0	9,229.5	16,974.0	689.0	8,066.0	16,402.5	975.0
Isothermal CC	12,130.5	8,828.0	4,940.0	12,876.5	10,620.0	4,250.0	13,125.5	8,678.5	3,918.0
J. Sprunt CC	6,811.0	4,351.5	401.0	6,345.5	4,012.5	280.0	5,150.5	3,985.0	84.0
Johnston CC	16,055.0	7,190.5	537.0	16,117.5	7,435.5	475.0	15,783.0	7,071.5	400.0
Lenoir CC	15,530.5	9,023.0	1,389.5	17,471.0	9,744.5	2,777.0	16,044.0	10,689.5	2,526.5
Martin CC	4,403.5	4,657.0	3,917.0	4,973.0	3,849.0	1,866.0	5,062.0	4,483.5	2,077.5
Mayland CC	6,253.0	2,517.5	1,520.0	3,601.0	3,209.5	465.5	3,467.5	3,118.0	679.0
McDowell TCC	4,303.5	6,235.5	511.0	3,151.5	5,720.5	248.5	3,146.0	5,668.5	203.5
Mitchell CC	14,538.0	7,547.5	3,476.0	12,214.0	8,509.5	2,699.0	11,928.5	6,745.5	2,067.0
Montgomery CC	2,140.5	4,588.5	297.0	2,250.0	4,777.0	544.0	2,676.0	4,286.0	416.0
Nash CC	12,758.0	7,326.5	849.0	16,607.0	6,308.5	93.0	9,998.0	5,737.5	0.0
Pamlico CC	1,698.0	1,487.0	96.0	1,752.0	1,468.0	21.0	1,347.0	1,110.0	0.0
Piedmont CC	5,524.5	3,829.0	83.5	5,711.5	3,741.5	291.0	4,337.0	3,177.0	532.0
Pitt CC	25,833.5	11,844.5	3,353.0	24,593.0	11,754.0	2,439.0	24,295.0	10,650.0	3,391.0
Randolph CC	12,535.5	10,374.5	1,528.5	12,338.5	9,472.5	1,221.0	10,318.5	9,465.0	1,099.0
Richmond CC	8,495.5	5,106.0	1,063.0	8,266.0	3,925.0	884.0	8,335.5	5,241.0	1,497.0
Roanoke-Cho. CC	6,403.5	3,110.0	1,154.0	6,344.5	2,805.5	837.0	6,086.0	3,200.5	925.5
Robeson CC	10,416.5	8,103.0	1,722.0	9,491.0	7,653.0	768.0	10,653.5	7,149.0	0.0
Rockingham CC	16,323.5	8,354.0	705.5	15,967.0	7,341.0	626.0	14,801.0	7,174.0	363.0
Rowan-Cab. CC	21,351.0	10,089.0	814.0	17,842.0	10,741.0	261.0	17,951.5	10,134.5	1,008.0
Sampson CC	9,444.0	4,590.5	1,255.0	7,592.5	4,484.5	1,342.5	8,498.5	4,669.5	615.5
Sandhills CC	20,707.5	9,534.5	1,782.5	18,591.5	11,688.0	3,031.5	17,321.5	10,019.0	2,189.5
Southeastern CC	12,484.5	7,231.5	1,878.0	11,696.5	5,792.0	4,683.0	11,493.5	5,719.5	2,301.0
Southwestern CC	9,500.0	4,973.0	2,162.0	7,944.5	3,917.0	1,763.0	7,145.0	5,069.0	2,160.0
Stanly CC	9,094.0	4,499.0	1,039.0	8,639.0	3,820.0	1,756.5	7,406.5	4,936.0	724.0
Surry CC	17,859.5	10,941.5	3,936.0	14,924.0	11,206.0	3,210.0	14,288.0	10,679.0	2,490.0
Tri-County CC	5,040.5	4,002.5	988.0	5,161.5	4,584.0	894.5	6,153.5	3,994.5	1,254.0
Vance-Granv. CC	12,100.0	12,421.5	804.0	10,244.5	8,833.0	217.0	11,229.0	8,123.0	264.0
Wake TCC	37,539.5	15,031.0	1,380.0	33,961.5	13,528.5	1,707.0	33,558.5	13,639.0	3,433.0
Wayne CC	18,911.0	13,232.0	729.0	21,870.5	14,196.5	572.0	17,509.0	12,894.0	578.0
W. Piedmont CC	14,582.0	10,235.0	5,137.0	12,091.0	9,584.0	3,152.0	11,163.5	8,074.0	1,828.0
Wilkes CC	16,574.5	6,661.0	2,862.5	16,863.0	5,822.0	1,448.0	13,750.5	6,065.0	2,106.0
Wilson Co. TC	8,301.5	8,018.0	1,065.0	6,913.0	8,249.5	4,637.0	6,834.0	7,319.0	3,091.0
TOTAL	982,293.0	550,021.0	112,244.5	919,455.5	533,693.5	106,951.5	859,374.5	519,963.0	102,454.5

TABLE 9:
SPACE FACTORS

A space factor is the assignable square feet of a given type of space divided by the student clock hours of instruction generated from that type of space. It is very useful to facilities planners in that it combines into a single factor the concepts of weekly room hours (Tables 3 and 4), percent student station utilization (Table 7), and assignable square feet per student station (Tables 16 and 17). The lower the space factor, the more effectively the space is being utilized for instructional purposes.

Space factors can be specifically defined in two ways. For Table 9, the formula:

$$\text{Space Factor} = \frac{\text{Assignable Square Feet}}{\text{Student Clock Hours}}$$

is used. Note that space factors must relate to a specified type of space. For example, a classroom space factor is calculated by dividing the assignable square feet of classroom space by the student clock hours generated in classrooms.

An alternative formula is:

$$\text{Space Factor} = \frac{\text{Assignable Sq. Ft./Station}}{\text{Avg. Weekly Room Hours X Percent Station Utilization}}$$

Although the two are equivalent, they may produce slightly different results because of the rounding which is inherent in the second formula. The second formula is nevertheless useful in calculating space factor norms.

Classrooms. If the norms cited for Tables 3, 7, and 16 are used for the three factors which comprise the second formula, the result is a space factor of 0.89:

$$\text{Classroom Space Factor} = \frac{16}{30 \text{ X } .60} = 0.89$$

Although this represents a frequently cited norm for classroom space factors, it is considerably lower (i.e., more efficient) than the classroom space factors of most North Carolina institutions. A more relevant norm can be calculated by using the state averages for the three required indices:

$$\text{Classroom Space Factor} = \frac{17}{21.9 \text{ X } .553} = 1.40$$

Class Laboratories. The average assignable square footage per station in class laboratories varies widely among different types of labs. (Page 130 provides some average figures for selected labs.) This variance results in a wide range of space factors and makes the defining of norms difficult.

A useful way to approach this problem is to distinguish between engineering/mechanical class labs and other class labs. Most engineering/mechanical labs require relatively large amounts of space per station because of the equipment that is used. One hundred square feet per station is a reasonable mean for these labs. Using this figure, and the norms cited for Tables 4 and 7, the following space factor is derived:

$$\text{Engineering/Mechanical Lab Space Factor} = \frac{100}{20 \times .80} = 6.25$$

Other kinds of class labs require considerably less space per student station. If 40 square feet is used as the norm, the following space factor is derived:

$$\text{"Other Lab" Space Factor} = \frac{40}{20 \times .80} = 2.5$$

Teaching Areas. Teaching areas represent the sum of classroom and class laboratory space. A space factor norm for teaching areas has not been derived, but the group means can be useful in assessing the extent of utilization.

Table 10 has also been developed to assist institutions in analyzing their utilization data. High, low, and weighted means are reported for average weekly room hours, percent student station utilization, and space factors in both classrooms and class laboratories.

Space Factors

Table 9

INSTITUTION	Classroom					Laboratories					Teaching Areas				
	1989	1988	1987	1986	1985	1989	1988	1987	1986	1985	1989	1988	1987	1986	1985
Major Research Universities:															
NC State	0.74	0.75	0.79	0.76	0.77	5.98	5.61	5.89	5.42	5.86	1.50	1.48	1.55	1.47	1.50
NC State Vet.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UNC-Chapel Hill	0.91	0.91	0.90	0.94	0.95	3.53	3.23	3.31	3.13	3.84	1.18	1.14	1.14	1.16	1.21
UNC-Health Aff.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SUBTOTAL	0.82	0.82	0.84	0.84	0.85	5.10	4.77	4.98	4.64	5.21	1.36	1.33	1.37	1.34	1.38
Other Doctoral Universities:															
UNC-Greensboro	1.04	1.01	1.12	1.26	1.33	3.94	3.96	4.27	7.33	6.87	1.47	1.47	1.54	1.87	1.98
Comprehensive Universities:															
Appalachian	1.01	1.05	1.02	1.10	1.15	3.74	3.95	3.85	3.21	4.65	1.44	1.51	1.30	1.35	1.46
East Carolina	1.24	1.16	0.95	1.00	1.06	4.34	4.44	4.14	4.35	4.15	1.77	1.79	1.52	1.59	1.62
ECU-Health Aff.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fayetteville	1.47	1.42	1.46	1.32	1.32	4.88	4.66	4.51	3.89	3.97	2.16	2.11	2.15	1.92	1.91
NC A & T	1.79	2.10	1.85	1.89	1.73	8.67	8.13	9.24	7.78	7.26	3.04	3.27	2.93	2.97	2.76
NC Central	1.77	2.04	2.10	2.33	2.25	6.71	14.68	8.62	9.75	8.96	2.31	2.85	2.79	3.07	2.94
UNC-Charlotte	0.63	0.67	0.72	0.77	0.80	2.71	2.76	2.79	3.20	3.38	1.07	1.08	1.12	1.20	1.24
UNC-Wilmington	0.77	0.74	0.66	0.72	0.75	2.35	2.64	2.92	3.21	3.48	0.98	0.99	0.94	1.05	1.09
West'n Carolina	1.52	1.37	1.60	1.61	1.55	7.87	7.24	7.77	7.10	6.98	2.25	2.09	2.34	2.30	2.28
SUBTOTAL	1.15	1.18	1.14	1.19	1.22	4.42	4.64	4.66	4.63	4.86	1.70	1.75	1.66	1.73	1.76
Gen. Baccalaureate Universities:															
Elizabeth City	1.50	1.52	1.41	1.30	1.67	7.05	6.01	7.36	7.57	10.59	2.46	2.42	2.44	2.35	2.95
Pembroke	1.51	1.71	1.95	2.05	2.21	4.29	4.69	4.30	4.51	4.58	1.82	2.10	2.32	2.44	2.60
UNC-Asheville	1.04	0.98	0.81	0.84	1.17	6.58	7.23	6.71	4.62	4.65	1.89	1.85	1.32	1.30	1.61
Winston-Salem	2.21	2.15	2.21	2.17	2.39	7.26	8.23	7.06	6.49	6.76	2.69	2.61	2.64	2.60	2.80
SUBTOTAL	1.56	1.58	1.58	1.59	1.86	6.31	6.33	6.17	5.79	6.41	2.18	2.22	2.14	2.15	2.45
Specialized Institution:															
NC Sch. of Arts	2.23	2.60	2.56	2.14	3.13	7.83	6.27	7.28	8.39	5.67	5.64	5.16	5.70	6.05	4.98
Community Colleges:															
SUBTOTAL	1.50	1.56	1.53	1.44	1.43	4.50	4.54	4.50	4.11	3.99	2.58	2.66	2.65	2.49	2.45
PRIVATE INSTITUTIONS															
Major Research Universities:															
SUBTOTAL	1.34	1.35	1.37	1.35	1.41	8.87	5.99	6.78	5.48	6.45	1.78	1.51	1.75	1.75	1.84
Gen. Baccalaureate Colleges:															
SUBTOTAL	1.66	1.67	1.74	1.77	1.72	7.56	8.15	8.58	9.00	8.72	2.36	2.41	2.52	2.57	2.53
Junior Colleges:															
SUBTOTAL	1.82	1.99	1.93	2.00	1.93	9.47	8.64	6.76	7.58	7.06	2.88	3.00	2.81	2.97	2.77
GRAND TOTAL	1.32	1.34	1.34	1.33	1.34	4.89	4.90	4.94	4.69	4.66	2.12	2.15	2.15	2.12	2.13

Space Factors

Table 9

INSTITUTION	Classroom					Laboratories					Teaching Areas				
	1989	1988	1987	1986	1985	1989	1988	1987	1986	1985	1989	1988	1987	1986	1985
Community Colleges:															
Alamance CC	1.27	0.90	1.12	1.05	1.09	3.42	2.94	3.24	2.78	2.99	2.07	1.67	1.95	1.76	1.81
Anson CC	2.63	2.54	2.87	3.07	2.31	5.60	5.98	5.84	5.42	5.76	4.30	4.39	4.48	4.47	4.21
Asheville-Bun. TCC	1.77	2.49	1.98	1.64	1.89	5.47	5.69	5.09	4.15	4.40	2.73	3.53	3.04	2.55	2.84
Beaufort Co. CC	1.64	2.03	2.16	2.24	2.13	5.99	6.67	7.04	6.52	6.49	3.27	3.82	3.88	3.85	3.64
Bladen CC	1.86	2.39	2.75	1.75	1.86	7.73	6.41	6.49	5.37	5.26	4.53	4.82	5.27	4.01	4.08
Blue Ridge CC	1.77	1.79	1.36	1.34	1.27	6.43	6.20	6.84	5.65	5.50	3.60	3.69	3.56	3.18	3.11
Brunswick CC	2.24	3.72	2.24	2.09	1.95	6.46	8.20	6.26	4.61	4.83	3.35	5.46	3.77	3.20	3.17
Caldwell CC & TI	1.69	1.57	1.56	1.35	1.40	6.51	4.47	4.64	3.84	3.46	3.59	2.77	2.82	2.50	2.43
Cape Fear CC	0.89	0.96	0.97	1.02	1.02	3.31	3.25	3.30	2.88	3.46	1.95	2.04	2.14	2.06	2.29
Carteret CC	1.04	1.09	1.16	1.59	1.46	4.19	4.04	3.60	4.41	5.04	2.18	2.29	2.21	2.57	2.58
Catawba Vy. CC	1.61	1.86	1.71	1.68	1.64	4.45	4.97	4.78	4.53	4.38	2.71	2.95	2.92	2.90	2.77
C. Carolina CC	1.49	1.35	1.35	1.07	1.05	4.92	4.91	4.68	3.59	3.66	2.83	2.71	2.61	2.11	2.07
C. Piedmont CC	0.91	0.92	0.81	0.72	0.87	2.48	2.70	2.39	2.18	2.52	1.45	1.51	1.33	1.23	1.43
Cleveland CC	2.25	2.15	2.93	2.30	2.06	5.49	5.30	6.12	6.65	5.65	3.62	3.55	4.55	4.17	3.64
Coastal Car. CC	0.83	0.86	0.95	0.81	0.80	3.44	4.15	4.57	3.93	4.02	1.72	1.77	1.95	1.81	1.77
Col. Albemarle	1.26	1.37	1.58	1.64	1.56	5.34	5.56	6.12	5.69	4.69	2.61	3.02	3.28	3.25	2.95
Craven CC	1.19	1.43	1.11	1.32	1.20	2.72	2.42	2.26	2.15	2.43	1.78	1.88	1.59	1.71	1.72
Davidson Co. CC	1.49	1.66	1.97	1.42	1.37	4.79	5.11	6.28	4.60	4.59	2.49	2.73	3.32	2.38	2.24
Durham TCC	1.03	1.04	1.01	1.17	1.27	3.75	3.70	3.57	3.55	3.46	1.87	1.91	1.94	2.12	2.21
Edgecombe CC	2.85	2.80	5.35	2.58	3.17	6.13	6.23	11.45	8.51	7.45	4.24	4.07	7.66	4.54	4.79
Fayettev'le TCC	1.13	1.12	1.14	1.02	1.07	4.02	3.91	4.04	3.64	3.44	1.81	1.78	1.85	1.64	1.68
Forsyth TCC	1.66	1.61	2.00	1.75	1.65	4.76	4.81	5.05	4.99	4.68	2.74	2.64	3.10	2.85	2.70
Gaston Col.	1.62	1.63	1.76	1.67	1.52	6.66	6.08	6.36	7.14	5.17	2.90	2.96	3.17	3.24	2.77
Guilford TCC	1.30	1.35	1.38	1.31	1.48	4.44	4.71	3.66	3.68	3.86	2.28	2.50	2.29	2.23	2.40
Halifax CC	1.80	2.14	2.59	1.88	1.44	4.98	4.97	7.56	6.18	4.27	3.05	3.27	4.70	3.50	2.53
Haywood CC	1.47	1.47	1.96	1.66	1.58	4.27	4.11	4.28	3.97	3.57	3.31	3.18	3.52	3.17	2.91
Isothermal CC	2.25	2.16	2.03	2.48	1.92	4.52	3.71	4.40	3.94	3.80	3.21	2.86	2.97	3.17	2.79
J. Sprunt CC	2.15	2.16	2.11	2.29	2.18	7.45	7.96	7.95	7.68	5.86	4.22	4.40	4.66	4.80	4.09
Johnston CC	1.19	1.00	1.02	1.59	1.92	5.58	5.09	5.35	4.97	4.27	2.55	2.29	2.36	2.63	2.82
Lenoir CC	2.14	1.60	1.68	1.79	1.64	3.71	3.92	3.57	4.23	4.14	2.72	2.43	2.44	2.72	2.55
Martin CC	3.11	3.89	3.82	4.01	4.37	9.02	9.45	8.12	8.95	6.85	6.15	6.31	5.84	6.45	5.88
Mayland CC	1.45	1.89	1.72	1.55	1.44	4.78	4.64	3.73	3.89	3.84	2.41	3.19	2.67	2.58	2.47
McDowell TCC	3.45	4.91	4.92	3.26	3.10	4.65	4.78	4.82	3.31	3.52	4.16	4.83	4.86	3.30	3.37
Mitchell CC	2.14	2.79	2.94	1.97	2.20	5.58	4.71	5.82	4.21	5.14	3.32	3.58	3.98	2.85	3.26
Montgomery CC	2.80	2.66	2.24	2.11	3.08	4.81	4.68	5.21	4.71	5.57	4.17	4.03	4.07	3.78	4.80
Nash CC	2.19	2.04	2.59	2.93	1.47	4.93	5.30	4.31	4.76	3.38	3.19	2.93	3.22	3.65	2.39
Pamlico CC	2.57	2.49	3.24	3.35	3.22	6.64	6.72	8.89	6.95	9.05	4.47	4.42	5.79	5.23	5.82
Piedmont CC	2.26	2.32	2.35	2.13	2.69	5.33	5.70	6.17	6.02	6.93	3.52	3.66	3.96	3.88	4.70
Pitt CC	0.81	0.91	0.95	1.22	1.25	3.52	3.42	3.60	3.26	3.07	1.66	1.72	1.76	1.98	1.95
Randolph CC	1.92	1.96	1.95	2.11	1.35	4.83	5.26	5.05	4.58	4.12	3.24	3.39	3.43	3.39	2.90
Richmond CC	2.06	1.91	1.81	1.60	1.59	6.96	8.52	6.53	5.88	4.62	3.90	4.04	3.63	3.28	2.96
Roanoke-Cho. CC	2.33	2.58	2.64	2.46	2.19	6.91	6.93	6.66	4.83	4.07	3.82	3.91	4.03	3.48	3.00
Robeson CC	2.26	3.33	2.32	1.78	1.88	4.96	6.81	5.73	5.62	4.00	3.44	4.88	3.69	3.34	3.06
Rockingham CC	2.05	2.13	1.40	1.39	1.44	6.16	6.81	6.01	5.79	5.46	3.44	3.60	2.91	2.66	2.73
Rowan-Cab. CC	1.47	1.71	1.70	1.53	1.61	4.18	4.21	4.32	4.39	4.59	2.34	2.65	2.64	2.46	2.60
Sampson CC	1.28	1.70	1.67	1.14	1.32	5.81	5.75	5.20	3.10	2.56	2.76	3.21	2.92	2.02	1.97
Sandhills CC	1.40	1.35	1.39	1.17	1.29	4.70	3.84	4.55	4.06	4.01	2.44	2.31	2.54	2.21	2.28
Southeastern CC	1.76	1.88	1.71	1.78	1.73	4.79	5.49	5.56	4.30	4.34	2.87	3.07	2.99	2.74	2.69
Southwestern CC	2.66	3.13	2.43	2.13	1.52	6.64	8.55	5.64	6.09	5.93	4.03	4.92	3.76	3.63	2.88
Stanly CC	1.81	1.85	2.32	1.78	1.89	5.56	5.75	5.45	4.74	3.09	3.05	3.05	3.57	3.25	2.40
Surry CC	1.21	1.48	1.43	1.38	1.46	3.16	2.85	2.83	2.57	2.53	1.95	2.07	2.03	1.91	1.97
Tri-County CC	3.49	3.07	2.43	2.12	2.43	7.77	7.26	8.77	6.84	6.46	5.38	5.04	4.93	4.32	4.50
Vance-Granv. CC	1.76	2.07	1.49	1.72	1.53	3.04	4.28	3.77	3.31	3.16	2.41	3.09	2.45	2.51	2.25
Wake TCC	1.34	1.41	0.95	0.94	1.01	3.76	3.97	3.94	3.58	3.28	2.03	2.14	1.81	1.78	1.75
Wayne CC	1.86	1.21	1.45	1.54	1.29	4.39	3.57	3.95	3.69	3.62	2.90	2.14	2.51	2.47	2.20
W. Piedmont CC	1.45	1.14	1.24	1.37	1.31	2.78	2.97	3.52	3.50	2.58	2.00	1.95	2.20	2.33	1.90
Wilkes CC	1.41	1.32	1.62	1.70	1.52	5.35	4.61	4.43	4.37	4.39	2.54	2.16	2.48	2.53	2.42
Wilson Co. TC	1.85	1.80	2.07	2.30	1.56	5.38	4.95	5.60	4.78	4.87	3.58	3.51	3.90	3.64	3.12
TOTAL	1.50	1.56	1.53	1.44	1.43	4.50	4.54	4.50	4.11	3.99	2.58	2.66	2.65	2.49	2.45

Range of Selected Space Utilization Indices for Classrooms

Table 10

INSTITUTION	Room Hours Per Week			% Student Station Utilization			Space Factor		
	High	Mean	Low	High	Mean	Low	High	Mean	Low
Major Research Universities:	31.9	30.0	27.9	60.5	59.7	58.7	0.91	0.82	0.74
Other Doctoral Universities:*	25.3	25.3	25.3	61.0	61.0	61.0	1.04	1.04	1.04
Comprehensive Universities:	38.4	23.8	15.2	60.2	55.5	49.1	1.79	1.15	0.63
Gen. Baccalaureate Universities:	30.2	20.1	14.5	54.5	47.7	44.4	2.21	1.56	1.04
Specialized Institution:*	16.6	16.6	16.6	53.4	53.4	53.4	2.23	2.23	2.23
Community Colleges:	35.5	21.7	12.4	90.0	57.2	38.4	3.49	1.50	0.81
PRIVATE INSTITUTIONS									
Major Research Universities:	20.5	19.9	19.5	52.6	50.5	49.4	1.38	1.34	1.28
Gen. Baccalaureate Colleges:	34.5	18.2	10.3	68.9	49.1	32.7	3.65	1.66	0.88
Junior Colleges:	21.8	16.0	13.3	70.8	60.3	52.3	2.21	1.82	1.31
STATE RANGE	38.4	21.9	10.3	90.0	55.3	32.7	3.65	1.32	0.63
TYPICAL STANDARD		30.0			60.0			0.83-0.90	

*Only one institution in this category

Range of Selected Space Utilization Indices for Class Laboratories

Table 10

INSTITUTION	Room Hours Per Week			% Student Station Utilization			Space Factor		
	High	Mean	Low	High	Mean	Low	High	Mean	Low
Major Research Universities:	15.8	12.1	10.5	71.4	60.8	48.0	5.98	5.10	3.53
Other Doctoral Universities:*	13.6	13.6	13.6	58.0	58.0	58.0	3.94	3.94	3.94
Comprehensive Universities:	20.9	12.5	5.2	69.4	56.3	38.4	8.67	4.42	2.35
Gen. Baccalaureate Universities:	11.2	8.2	6.8	61.8	50.3	39.3	7.26	6.31	4.29
Specialized Institution:*	15.0	15.0	15.0	54.9	54.9	54.9	7.83	7.83	7.83
Community Colleges:	29.8	18.9	9.8	74.5	56.2	38.1	9.02	4.50	2.48
PRIVATE INSTITUTIONS									
Major Research Universities:	5.5	5.2	4.8	72.9	65.9	53.5	12.84	8.87	7.24
Gen. Baccalaureate Colleges:	19.8	7.5	3.3	73.6	51.3	18.2	57.76	7.56	2.52
Junior Colleges:	10.3	6.9	5.3	62.8	47.4	39.8	14.07	9.47	5.67
STATE RANGE	29.8	14.7	3.3	74.5	56.1	18.2	57.76	4.89	2.35
TYPICAL STANDARD		20.0			80.0			3.00-5.00	

*Only one institution in this category

TABLE 11:
SPACE CRITERIA

The Higher Education Facilities Planning and Management Manuals, published by the Western Interstate Commission for Higher Education, provide one of the best sources of information on space criteria. Since all higher education institutions have been provided copies of the manuals, only highlights of space criteria will be provided in Table 11. It is recommended that the manuals be used for further information or assessments until updated criteria can be developed from a new national survey of higher education facilities. An updated Facilities Inventory and Classification Manual is currently being developed by a national work group under the sponsorship of NCES. In addition, this commission is always ready to respond to queries on facilities matters.

Space Criteria

Table 11

CLASSROOMS:	Average	Range
Room Utilization Ratio	30 hours/week	20-32 hours/week
Station Occupancy Ratio	65%	45%-85%
Assignable Square Feet Per Student Station	18 ASF	10-25 ASF

LABORATORIES:	Average	Range
Room Utilization Ratio, Lower Division	24 hours	22-26 hours
Room Utilization Ratio, Upper Division	16 hours	14-18 hours
Station Occupancy Ratio, Lower Division	80%	75%-85%
Station Occupancy Ratio, Upper Division	60%	55%-65%

Assignable Square Feet Per Station

Criteria vary from 15 to 150 ASF depending on academic program and course levels. Details are shown in Table 53 of Higher Education Facilities Planning and Management Manual Two. Some examples are:

Biology, general	30-40 ASF	Forestry	30-40 ASF
Fine Arts, general	30-50 ASF	Architecture	40-50 ASF
Letters	15-25 ASF	Engineering, general	40-70 ASF
Accounting	20-35 ASF	Business and Management	20-30 ASF
Automotive Technology	100-150 ASF	Sculpture, Ceramics	50-80 ASF
Nursing, practical	25-50 ASF	Music (Liberal Arts)	15-20 ASF

LIBRARIES:

Stack Unit Floor Area Criteria

Type of Stack Area	Average Bound Volumes per Assignable Square Foot	Average Assignable Square Feet per Volume
Open-Stack Reading Rooms	8 - 10	0.125 - 0.10
Open Stacks	10 - 12	0.10 - 0.083
Closed Stacks	12 - 15	0.083 - 0.067
High Density Compact Storage	40 - 60	0.025 - 0.017

Table 11

LIBRARIES (Continued):

Reading Stations Unit Floor Area Criteria

Type of Station	Assignable Square Feet per Station
Open Tables and Chairs	20 - 25
Small Carrels	25 - 30
Research Carrels (Open)	30 - 35
Enclosed Studies (Faculty)	40 - 70
Microfilm and Audio/Visual Carrels	35 - 45
Typing Stations (Multiple Stations in an Enclosed Room)	25 - 35
Reading Lounge	25 - 30
Conference Rooms, Seminar Rooms and Small-Group Studies	20 - 25

Staff and Service Space Unit Floor Area Criteria

As a general guideline, the total staff and service facilities of a library may be expected to range from 25 percent (for a smaller library) to 18 percent (for a larger library) of the combined stack and reader floor area.

OFFICES:

ASSIGNABLE SQUARE FEET CRITERIA FOR OFFICE STATIONS

	Academic Departments		Nonacademic Departments	
Personnel Category	Single Occupancy ASF/Station	Multiple Occupancy ASF/Station	Single Occupancy ASF/Station	Multiple Occupancy ASF/Station
Administrator - President	N/A	N/A	300±50	N/A
Vice-Pres.	N/A	N/A	240±30	N/A
Dean	240±20	N/A	N/A	N/A
Chairman	180±20	N/A	N/A	N/A
Professional	120±10	90±10	120±20	90±10
Secretarial-Clerical	120±10	90±20	120±40	90±20
Graduate Assistants	N/A	50±10	N/A	N/A

Table 11

OFFICES (Continued):

ASSIGNABLE SQUARE FEET CRITERIA FOR CONFERENCE ROOM AND CONFERENCE ROOM SERVICE FACILITIES

Stations	Conference Room Assignable Square Feet Per Station Assignable Square Feet Per Station	Conference Room Service Space in Assignable Square Feet
10	25	30±5
15	22	30±5
20	20	30±5
25	20	30±5
30	15	30±5

GENERAL USE FACILITIES UNIT FLOOR AREA CRITERIA:

Type of Facility	Item	Assignable Square Feet
1. Food Facilities	1. Dining Station - Family Size	12.5
	2. Dining Station - Cafeteria	11.0
	3. Dining Station - Snack Bar	10.0
2. Lounge Facilities	1. Station - Commons Room	20
3. Recreation Facilities	1. Lockers	6.75
	2. Meeting Room	20 ASF/station
	3. Billiards	320 ASF/Table
	4. Bowling Alley	575 ASF/Lane
	5. Kitchenette	20
	6. Table Tennis	345 ASF/Table
4. Residential Facilities	1. Single Occupancy*	110 - 130
	2. Double Occupancy*	190 - 230
	3. Married - One Bedroom	570 - 650
	4. Married - Two Bedroom	620 - 750

*Toilets, washrooms, showers, and recreational space are not included.

TABLE 12:
ENROLLMENTS

The two primary measures of student populations are full-time equivalent (FTE) enrollment and headcount enrollment. FTE enrollment considers part-time students as fractions of full-time students through the use of conversion formulas which are described below. Headcount enrollment makes no distinction between full-time and part-time students.

FTE enrollments are generally more relevant than headcount enrollments in making space utilization assessments. Table 12, therefore, reports only FTE enrollments. This section, however, does describe some data trends in headcount enrollment.

FTE Enrollment

FTE enrollment as used in this study is based on the fall enrollment. It is defined as the number of full-time students (those carrying at least 75 percent of the normal credit hour load) plus the equivalent number of students enrolled for less than 75 percent of the normal full-time load. In obtaining the undergraduate FTE enrollment figures for the University of North Carolina, a student carrying 12 or more credit hours is considered a full-time student. In those instances where a student takes less than 12 hours, the following method of calculating FTE student is used: a student with a load of nine through 11 credit hours is the equivalent of 3/4 FTE; the student with a six through eight credit hour load is the equivalent of 1/2 FTE; and a student with less than six credit hours is the equivalent of 1/4 FTE. In obtaining graduate FTE enrollment figures for the University of North Carolina, a student carrying nine or more credit hours is considered a full-time student. In those instances where a graduate student takes less than nine credit hours, the following method of equating is used: a student with a load of six through eight credit hours is the equivalent of 3/4 FTE; the student with a three through five credit hour load is the equivalent of 1/2 FTE; and a student with less than three credit hours is the equivalent of 1/4 FTE.

The Department of Community Colleges now reports FTE based on its official "class membership" (contact) hour formula for calculation. Sixteen class membership hours per week for 11 weeks equates to one fall quarter FTE. FTE fractions are thus based on a division of total class membership hours by (16 x 11) or 176. As with Table 2, previous year figures have also been converted on the basis of this adjusted formula.

For the community colleges, Table 12 lists only on-campus credit enrollments for 1985-1988. This means that instruction which took place in facilities not on a community college's campus would not be considered in determining the enrollments listed. For 1989, the on-campus FTE is provided, but as a means of comparison, the total FTE (representing both on-campus and off-campus instruction) is also listed for all institutions of the Community

College System. Since private colleges and universities and the constituent institutions of the University of North Carolina do not conduct a significant number of instructional courses off-campus, the total FTE enrollments which are listed may also be considered as approximating these institutions' campus-based enrollments.

Trends in Headcount Enrollments*

Enrollment at institutions of higher education in the United States reached an all-time high of 13.5 million in the fall of 1989--an increase of 3.4 percent over the 1988 total. The net and percentage increases in enrollment over the previous fall term were the largest since fall 1980, when enrollment rose 4.6 percent over the fall 1979 enrollment. Public two-year institutions, with an increase of 6 percent, led the enrollment growth. Four-year institutions experienced slower growth (2.3 percent) than two-year institutions (5.3 percent), with most of the four-year growth in the public sector.

Large increases in full-time and part-time enrollment of both sexes contributed to the rise. The enrollment growth was higher for women (3.8 percent) than for men (2.9 percent). For the second consecutive year, women outnumbered men on the nation's campuses by more than one million students and maintained their 54 percent share of the total enrollment.

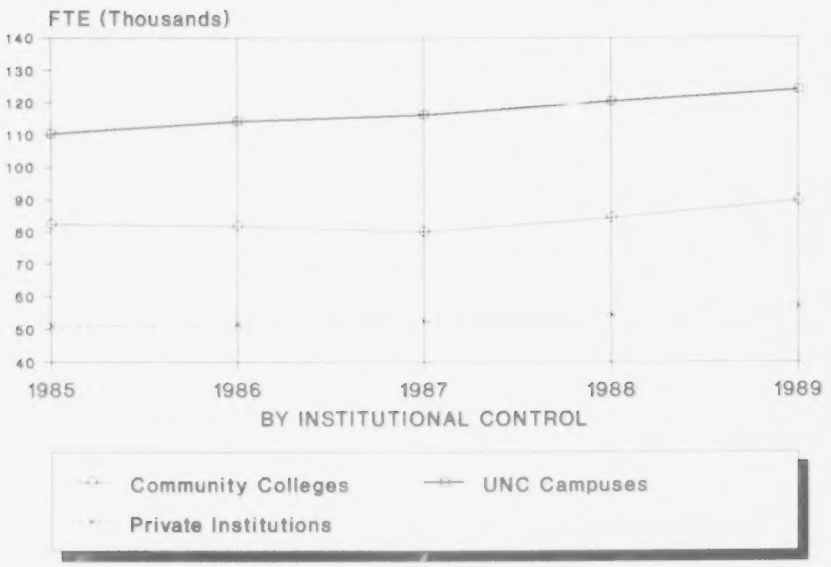
The following table indicates the annual percentage changes, for public and private institutions, in national headcount enrollments for the last five years:

	Overall Change	Public Institutions	Private Institutions
1985	0.0	0.2	-0.5
1986	1.2	1.3	1.0
1987	1.0	1.0	1.0
1988	2.4	3.5	-1.2
1989	3.4	3.9	1.5

North Carolina institutions experienced a headcount enrollment increase of 4.0 percent in 1989. Public outpaced private institution growth by 4.5 percent to 2.8 percent. Enrollment for men increased by 3.5 percent, while women's enrollment showed an increase of 4.5 percent. In a reversal from last year, North Carolina's full-time enrollment growth (4.4%) was higher than the part-time increase (2.8%).

*National headcount figures presented here are based on the preliminary Early National Estimates Survey (December 1989) of a sample of 642 institutions of higher education conducted by the National Center for Education Statistics. Results of the final NCES 1989 survey of a universe of more than 3,600 institutions were not available in time for this publication.

FTE ENROLLMENTS



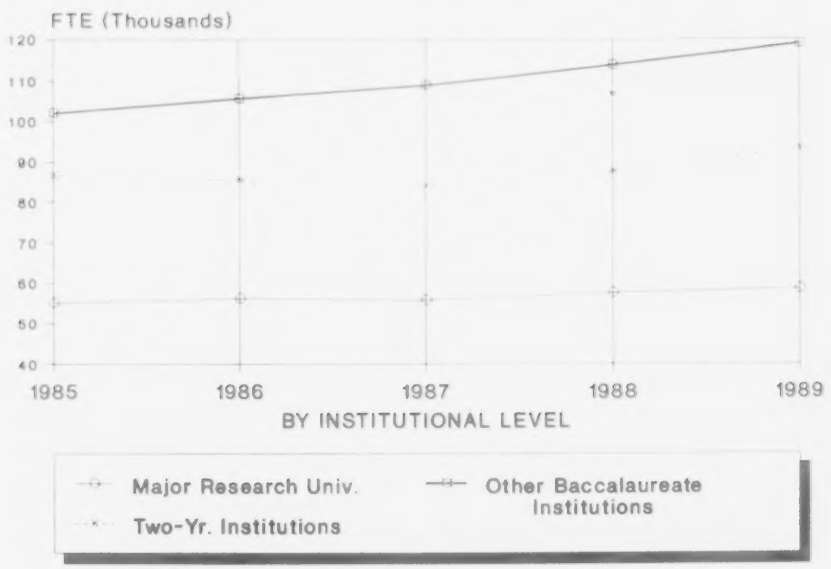


Table 12

FTE Enrollments Summary

INSTITUTION	1989	1988	1987	1986	1985
Major Research Universities:	42,352	42,065	40,564	40,994	40,083
Other Doctoral Universities:	10,200	9,692	9,169	8,889	8,614
Comprehensive Universities:	61,621	59,225	57,538	55,670	53,475
Gen. Baccalaureate Universities:	9,096	8,702	8,381	8,159	7,678
Specialized Institution:	482	488	462	460	478
Community Colleges:	89,681	84,338	80,113	81,889	82,376
		PRIVATE INSTITUTIONS			
Major Research Universities:	16,110	15,496	15,255	15,245	14,968
Gen. Baccalaureate Colleges:	37,383	35,620	33,296	32,457	31,852
Junior Colleges:	3,362	3,240	3,832	3,657	4,119
GRAND TOTAL	270,287	258,866	248,610	247,420	243,643

FTE Enrollments
Institutional

Table 12

INSTITUTION	1989	1988	1987	1986	1985
Major Research Univ.:					
NC State	20,859	20,438	19,554	20,014	19,718
NC State Vet.	268	278	276	283	253
UNC-Chapel Hill	18,138	18,293	17,607	17,582	17,026
UNC-Health Aff.	3,087	3,056	3,127	3,115	3,086
SUBTOTAL	42,352	42,065	40,564	40,994	40,083
Other Doctoral Univ.:					
UNC-Greensboro	10,200	9,692	9,169	8,889	8,614
Comprehensive Univ.:					
Appalachian	10,774	10,444	10,357	9,780	9,132
East Carolina	13,487	13,202	12,599	12,031	11,655
ECU-Health Aff.	1,017	953	931	1,131	1,228
Fayetteville	2,606	2,338	2,316	2,583	2,615
NC A & T	5,864	5,438	5,473	5,388	5,224
NC Central	4,627	4,383	4,334	4,231	4,093
UNC-Charlotte	11,279	11,014	10,216	9,866	9,064
UNC-Wilmington	6,485	6,077	6,035	5,424	5,207
West'n Carolina	5,482	5,376	5,277	5,236	5,257
SUBTOTAL	61,621	59,225	57,538	55,670	53,475
Gen. Baccalaureate Univ.:					
Elizabeth City	1,641	1,608	1,537	1,545	1,475
Pembroke	2,652	2,435	2,249	2,109	1,998
UNC-Asheville	2,555	2,440	2,346	2,198	2,022
Winston-Salem	2,248	2,219	2,249	2,307	2,183
SUBTOTAL	9,096	8,702	8,381	8,159	7,678
Specialized Inst.:					
NC Sch. of Arts	482	488	462	460	478

FTE Enrollments
Institutional

Table 12

INSTITUTION	1989*	1988	1987	1986	1985
Community Colleges:					
Alamance CC	1,896 (2,143)	1,712	1,535	1,697	1,578
Anson CC	287 (499)	281	317	282	261
Ashev'le-Bun. TCC	2,365 (2,463)	2,109	2,196	2,162	2,084
Beaufort Co. CC	937 (1,080)	859	810	842	845
Bladen CC	481 (617)	416	419	463	459
Blue Ridge CC	1,066 (1,123)	872	889	949	991
Brunswick CC	640 (640)	528	466	526	492
Caldwell CC & TI	1,357 (1,769)	1,357	1,350	1,361	967
Cape Fear CC	2,163 (2,204)	2,080	1,976	2,145	1,920
Carteret CC	974 (1,187)	967	1,000	914	841
Catawba Vy. CC	2,092 (2,369)	1,716	1,537	1,647	1,598
C. Carolina CC	1,654 (2,393)	1,601	1,609	1,584	1,628
C. Piedmont CC	8,474 (9,758)	8,185	7,972	7,918	8,109
Cleveland CC	796 (1,021)	751	727	776	883
Coastal Car. CC	2,704 (2,959)	2,510	2,348	2,319	2,340
Col. Albemarle	1,113 (1,478)	961	937	976	998
Craven CC	1,189 (1,789)	1,055	997	1,046	1,222
Davidson Co. CC	1,760 (1,981)	1,696	1,686	1,744	1,662
Durham TCC	2,615 (2,933)	2,552	2,189	2,097	2,135
Edgecombe CC	817 (1,074)	773	689	742	878
Fayettev'le TCC	4,521 (4,996)	4,226	4,065	4,259	4,234
Forsyth TCC	3,128 (3,331)	2,786	2,485	2,649	2,603
Gaston Col.	2,594 (2,787)	2,573	2,226	2,436	2,482
Guilford TCC	4,966 (4,978)	4,571	4,447	4,154	3,940
Halifax CC	749 (916)	751	652	724	848
Haywood CC	1,129 (1,135)	1,069	1,098	1,126	1,153
Isothermal CC	1,288 (1,329)	1,316	1,300	1,493	1,523
J. Sprunt CC	609 (854)	609	594	630	612
Johnston CC	1,584 (2,070)	1,545	1,363	1,362	1,430
Lenoir CC	1,674 (1,922)	1,764	1,640	1,587	1,623

*Figures in parentheses represent total FTE enrollments (both on and off campus).
See pages 69-70.

FTE Enrollments
Institutional

Table 12

INSTITUTION	1989*	1988	1987	1986	1985
Community Colleges:					
Martin CC	536 (569)	526	604	548	567
Mayland CC	563 (788)	419	489	447	518
McDowell TCC	535 (562)	520	515	595	540
Mitchell CC	1,135 (1,194)	1,075	1,034	1,018	970
Montgomery CC	363 (492)	350	376	345	370
Nash CC	921 (937)	876	855	909	971
Pamlico CC	121 (121)	144	105	124	122
Piedmont CC	424 (880)	423	416	408	439
Pitt CC	2,273 (2,807)	2,205	2,169	2,017	1,963
Randolph CC	1,340 (1,341)	1,200	1,130	1,183	1,197
Richmond CC	846 (912)	788	809	899	944
Roanoke-Cho. CC	623 (654)	580	558	468	526
Robeson CC	1,118 (1,201)	1,119	1,044	947	1,055
Rockingham CC	1,415 (1,426)	1,267	1,150	1,284	1,192
Rowan-Cab. CC	1,572 (2,029)	1,488	1,471	1,517	1,389
Sampson CC	784 (798)	789	721	790	846
Sandhills CC	2,323 (2,325)	1,993	1,864	1,751	1,889
Southeastern CC	1,303 (1,397)	1,181	1,095	1,262	1,337
Southwestern CC	878 (1,043)	849	814	925	979
Stanly CC	831 (1,133)	767	767	636	665
Surry CC	1,733 (2,032)	1,591	1,450	1,572	1,561
Tri-County CC	590 (590)	604	509	506	550
Vance-Granv. CC	1,307 (1,748)	1,197	1,152	1,139	1,089
Wake TCC	2,872 (3,843)	2,677	2,614	2,749	2,809
Wayne CC	1,754 (1,940)	1,713	1,566	1,642	1,879
W. Piedmont CC	1,540 (1,875)	1,645	1,402	1,391	1,419
Wilkes CC	1,433 (1,581)	1,240	1,152	1,215	1,295
Wilson Co. TC	926 (1,020)	921	763	992	956
TOTAL	89,681 (3,036)	84,338	80,113	81,889	82,376

*Figures in parentheses represent total FTE enrollments (both on and off campus).
See pages 69-70.

FTE Enrollments
Institutional

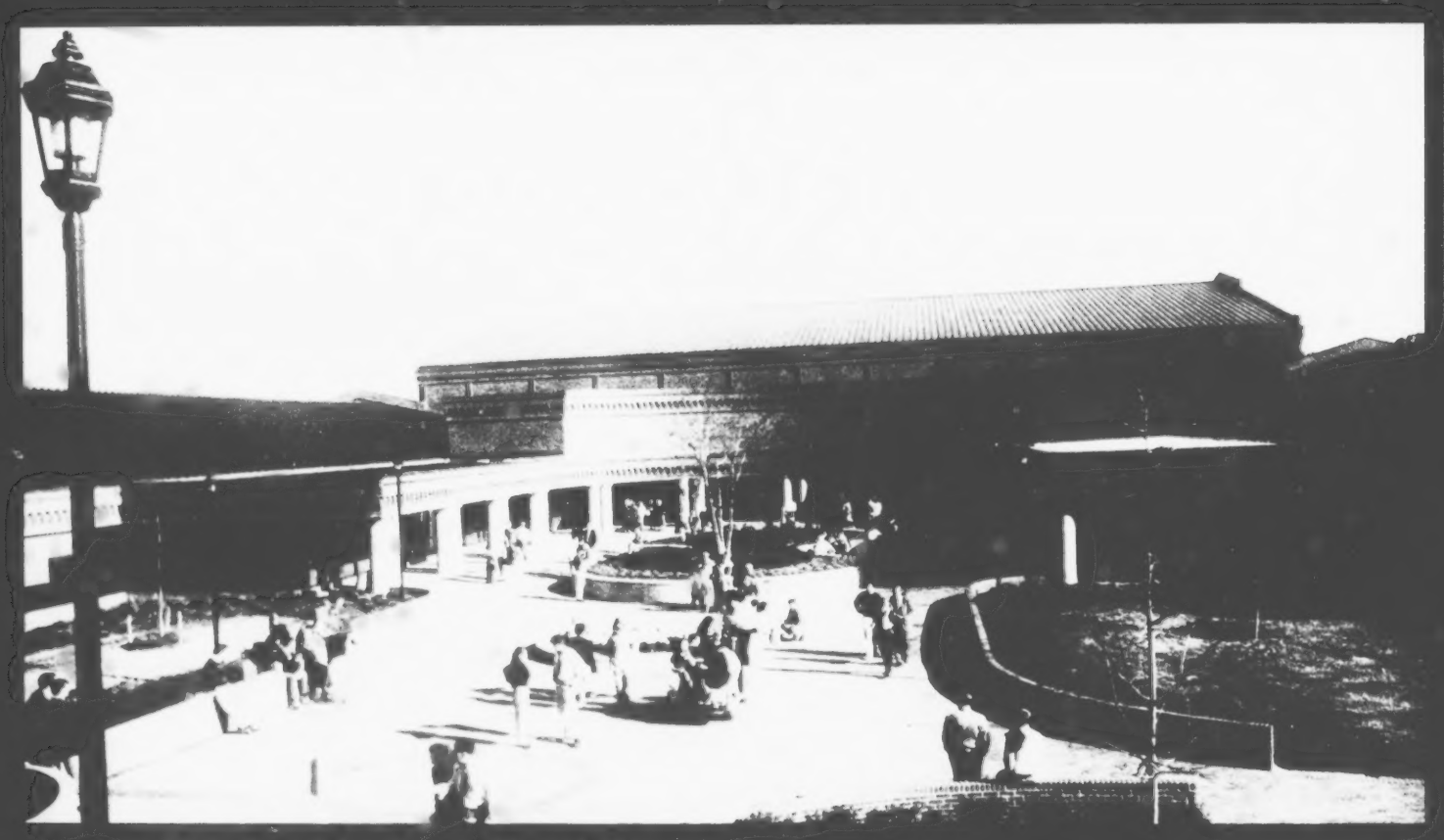
Table 12

INSTITUTION	1989	1988	1987	1986	1985
		PRIVATE INSTITUTIONS			
Major Research Universities:					
Duke	9,790	9,738	9,497	9,631	9,322
Duke Med. Ctr.	760	645	738	666	724
Wake Forest	5,141	4,695	4,594	4,535	4,494
Bowman Gray	419	418	426	413	428
SUBTOTAL	16,110	15,496	15,255	15,245	14,968
Gen. Baccalaureate Colleges:					
Atlantic Christian	1,270	1,200	1,117	1,136	1,138
Barber-Scotia	432	420	377	376	374
Belmont Abbey	954	967	953	806	846
Bennett	567	609	547	572	554
Campbell	3,367	2,700	2,661	2,636	2,365
Catawba	959	958	894	817	839
Davidson	1,423	1,415	1,407	1,390	1,396
Elon	3,084	3,057	2,937	2,826	2,672
Gardner-Webb	1,831	1,730	1,552	1,586	1,567
Greensboro	929	842	655	510	533
Guilford	1,457	1,531	1,502	1,465	1,422
High Point	1,899	1,804	1,492	1,287	1,268
Johnson C. Smith	1,286	1,187	1,159	1,118	1,251
Lees-McRae	825	781	-	-	-
Lenoir-Rhyne	1,518	1,481	1,424	1,403	1,380
Livingstone	574	548	642	720	627
Mars Hill	1,203	1,207	1,186	1,186	1,270
Meredith	1,924	1,859	1,758	1,697	1,624

FTE Enrollments
Institutional

Table 12

INSTITUTION	1989	1988	1987	1986	1985
Gen. Baccalaureate (Continued)					
Methodist	1,324	1,329	1,204	1,096	1,077
Montreat-Anderson	409	375	337	367	-
Mt. Olive	506	491	510	479	437
N.C. Wesleyan	657	659	686	592	503
Pfeiffer	793	754	757	780	746
Piedmont Bible	258	201	182	248	267
Queens	1,032	898	830	847	822
St. Andrews Presby.	771	772	796	717	721
St. Augustine's	1,831	1,752	1,590	1,614	1,661
Salem	679	649	658	614	592
Shaw	1,590	1,482	1,570	1,372	1,695
Warren Wilson	551	522	513	492	484
Wingate	1,480	1,440	1,400	1,447	1,423
SUBTOTAL	37,383	35,620	33,296	32,457	31,852
Junior Colleges:					
Brevard	743	649	586	578	658
Chowan	1,000	967	909	877	949
Lees-McRae	-	-	756	677	664
Louisburg	837	839	814	773	750
Montreat-Anderson	-	-	-	-	375
Peace	506	524	488	478	482
St. Mary's	276	261	279	274	241
SUBTOTAL	3,362	3,240	3,832	3,657	4,119
TOTAL	56,855	54,356	52,383	51,359	50,939



Baker Sports Complex, Davidson College

Davidson College's new $13 million Baker Sports Complex consists of four major areas: the Knobloch Tennis Center, the Belk Basketball Arena, the Cannon Pool, and the Finley Physical Education Center. In addition to providing 142,000 square feet of space for Davidson athletic programs, the complex also includes the Ben T. Craig Plaza, the Newell Entrance Court, and the Nisbet Lobby, which houses three racquetball courts, a squash court and the Hall of Fame Room.

The centerpiece of this comprehensive facility is the Belk Basketball Arena, which seats nearly 6,000. The eight-lane Cannon Pool, which can be viewed from the lobby through glass walls, features a stainless steel movable bulkhead to accommodate competition in both yards and meters. The Knobloch Tennis Center, operational since 1985, contains four acrylic-based hard courts, locker rooms, offices, and a conference room. The Finley Physical Education Center incorporates two modern weight rooms, a state of the art athletic medical facility, wrestling room, dance studio, locker rooms, three additional racquetball courts, classrooms, and office space.

Interior Space Characteristics

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TABLE 13:
NET-TO-GROSS RATIO

The net-to-gross ratio is the net assignable area of a building or group of buildings divided by the gross area. It is generally used as a measure of the efficiency of a building: the higher the net-to-gross ratio, the more space that can be assigned to the various programs for which the building was intended.

Simply stated, the gross area of a building is the sum of the floor areas of the outside faces of its exterior walls for all of the building's stories (or areas that have floor surfaces). A building's assignable area is the sum of all areas on all floors which are assigned to, or available for assignment to, an occupant. More specifically, it is the building's gross area less its custodial, circulation, mechanical, and structural areas.

Beginning in 1985, parking deck space was coded as nonassignable. This change in policy, while providing a truer picture of interior space characteristics, has the effect of decreasing the net-to-gross ratios of institutions with parking decks because gross area figures include these structures. The following institutions have parking decks (gross areas are indicated in parentheses): Central Piedmont Community College (555,136 sq. ft.), North Carolina State University (329,148 sq. ft.), University of North Carolina at Chapel Hill-Health Affairs (522,938 sq. ft.), University of North Carolina at Charlotte (100,295). There are three parking decks at the private major research universities, representing a total gross area of 1,154,039 sq. ft. In addition, the lower level of the octagon section of Duncan Hall at Appalachian State University (5,000 sq. ft.) is a parking deck and is, therefore, considered nonassignable. Adjusted net-to-gross figures for these institutions, which eliminate parking decks entirely and thus provide a more accurate index of campus space efficiency, are as follows: Central Piedmont Community College (68.6%), North Carolina State University (65.4%), University of North Carolina at Chapel Hill-Health Affairs (60.1%), University of North Carolina at Charlotte (67.9%), private major research universities (64.3%), Appalachian State University (69.6%).

If a renovation can increase the amount of assignable space in a building, then part of the cost of the renovation can be justified purely on a cost savings basis. Tables 19 and 20 suggest that new construction costs average $78 per gross square foot. Table 13 indicates that the average net-to-gross ratio is .66. This means that new construction costs are approximately $118 per assignable square foot.

$$\text{CONSTRUCTION COST/ASF} = \frac{\text{CONSTRUCTION COST/GSF}}{\text{NET-TO-GROSS RATIO}}$$

$$\text{CONSTRUCTION COST/ASF} = \frac{\$78}{.66} = \$118$$

Thus every assignable square foot created through a renovation can be viewed as saving the institution $118 in new construction costs.

Net-to-Gross Ratio

Table 13

INSTITUTION	Gross Sq. Ft.	Assignable Sq. Ft.	Net : Gross % 1989	1988	1987	1986	1985
Major Research Universities:							
NC State*	6,763,206	4,210,154	62.3	62.4	62.8	62.0	67.1
NC State Vet.	372,607	222,771	59.8	59.8	59.8	60.0	60.0
UNC-Chapel Hill	6,889,831	4,553,789	66.1	66.2	66.2	66.7	66.9
UNC-Health Aff.*	2,613,579	1,236,171	47.3	47.2	47.1	47.1	47.0
SUBTOTAL	16,639,223	10,222,885	61.4	61.5	61.7	61.5	63.5
Other Doctoral Universities:							
UNC-Greensboro	2,817,999	1,800,575	63.9	64.8	65.1	64.9	65.0
Comprehensive Universities:							
Appalachian*	2,756,490	1,913,486	69.4	69.5	69.7	69.4	69.5
East Carolina	2,984,008	2,103,320	70.5	70.2	70.8	70.8	70.7
ECU-Health Aff.	616,570	383,016	62.1	62.3	63.1	63.1	63.1
Fayetteville	841,418	556,573	66.1	66.1	66.9	66.0	66.0
NC A & T	2,064,422	1,428,691	69.2	69.2	69.3	69.8	69.6
NC Central	1,551,131	1,013,321	65.3	65.3	65.3	65.2	65.2
UNC-Charlotte*	2,288,924	1,486,500	64.9	64.8	67.8	67.2	67.2
UNC-Wilmington	1,356,298	933,455	68.8	67.9	68.1	66.9	66.9
West'n Carolina	2,279,249	1,561,169	68.5	68.2	68.3	68.3	70.4
SUBTOTAL	16,738,510	11,379,531	68.0	67.8	68.4	68.2	68.5
Gen. Baccalaureate Universities:							
Elizabeth City	732,562	519,682	70.9	70.9	71.1	72.5	72.0
Pembroke	682,626	462,281	67.7	67.7	68.3	69.4	69.4
UNC-Asheville	629,315	420,433	66.8	67.0	68.6	70.3	70.3
Winston-Salem	853,988	579,770	67.9	67.8	67.8	69.0	69.0
SUBTOTAL	2,898,491	1,982,166	68.4	68.4	68.9	70.2	70.1

*Beginning in 1985, the net-to-gross ratios for these institutions were affected by a change in the way parking decks were reported. See page 81.

Net-to-Gross Ratio

Table 13

INSTITUTION	Gross Sq. Ft.	Assignable Sq. Ft.	Net : Gross % 1989	1988	1987	1986	1985
Specialized Institution:							
NC Sch. of Arts	602,157	412,689	68.5	68.5	69.5	69.8	70.1
Teaching Hospitals:							
UNC Hosp. at C.H.	1,234,279	708,585	57.4	57.1	56.2	57.8	57.6
Community Colleges:							
SUBTOTAL*	12,353,225	8,576,707	69.4	69.5	69.6	70.7	70.7
PRIVATE INSTITUTIONS							
Major Research Universities:							
SUBTOTAL*	12,743,983	7,450,508	58.5	58.1	59.5	59.2	59.1
Gen. Baccalaureate Colleges:							
SUBTOTAL	15,583,731	11,044,714	70.9	70.8	70.7	70.7	70.7
Junior Colleges:							
SUBTOTAL	1,864,790	1,305,890	70.0	70.2	70.5	70.1	69.7
GRAND TOTAL	83,476,388	54,884,250	65.7	65.7	66.0	66.1	66.6

*Beginning in 1985, the net-to-gross ratios for these institutions were affected by a change in the way parking decks were reported. See page 81.

Net-to-Gross Ratio

Table 13

INSTITUTION	Gross Sq. Ft.	Assignable Sq. Ft.	Net : Gross %				
			1989	1988	1987	1986	1985
Community Colleges:							
Alamance CC	199,271	136,960	68.7	67.4	67.5	67.4	67.4
Anson CC	69,460	51,063	73.5	73.0	72.9	73.7	72.6
Ashev'le-Bun. TCC	387,310	274,341	70.8	69.9	70.1	70.4	70.4
Beaufort Co. CC	128,848	100,203	77.8	77.8	78.7	78.7	78.3
Bladen CC	103,372	78,750	76.2	76.3	76.5	76.5	76.9
Blue Ridge CC	163,140	122,771	75.3	75.5	77.2	76.7	76.7
Brunswick CC	145,957	111,311	76.3	77.1	82.1	81.7	81.7
Caldwell CC & TI	197,180	150,289	76.2	76.2	76.2	75.9	75.9
Cape Fear CC	203,877	140,995	69.2	69.0	69.0	69.0	71.2
Carteret CC	159,478	121,625	76.3	76.3	77.4	77.6	75.2
Catawba Vy. CC	274,863	202,727	73.8	74.0	74.9	74.9	74.9
C. Carolina CC	168,544	129,644	76.9	77.1	77.1	78.0	77.9
C. Piedmont CC*	1,271,092	491,144	38.6	38.4	38.2	41.4	41.7
Cleveland CC	188,334	132,033	70.1	74.6	75.4	75.6	75.6
Coastal Car. CC	214,716	159,732	74.4	72.4	72.4	72.6	72.6
Col. Albemarle	142,360	100,556	70.6	71.5	71.5	71.5	71.3
Craven CC	127,058	91,657	72.1	72.1	72.1	72.1	71.9
Davidson Co. CC	211,332	146,941	69.5	69.5	69.5	69.5	69.5
Durham TCC	225,312	162,162	72.0	72.0	73.6	76.4	76.6
Edgecombe CC	144,858	93,163	64.3	64.3	64.3	69.2	69.4
Fayettev'le TCC	404,172	291,026	72.0	72.0	72.8	72.9	72.8
Forsyth TCC	414,051	308,517	74.5	74.1	74.1	73.9	73.9
Gaston Col.	287,894	199,612	69.3	69.7	69.7	69.7	69.8
Guilford TCC	585,041	417,082	71.3	71.1	72.0	71.9	72.5
Halifax CC	119,225	88,157	73.9	73.9	74.0	73.9	75.9
Haywood CC	234,781	183,400	78.1	78.1	78.1	78.4	78.3
Isothermal CC	216,073	164,330	76.1	76.1	77.3	77.3	77.6
J. Sprunt CC	117,601	87,330	74.3	74.5	75.6	75.1	75.1
Johnston CC	186,898	140,157	75.0	77.8	78.0	78.1	78.4
Lenoir CC	224,062	173,526	77.4	78.6	77.6	77.3	77.7

*Beginning in 1985, the net-to-gross for this institution was affected by a change in the way parking decks were reported. See page 81.

Net-to-Gross Ratio

Table 13

INSTITUTION	Gross Sq. Ft.	Assignable Sq. Ft.	Net : Gross % 1989	1988	1987	1986	1985
Community Colleges:							
Martin CC	151,265	110,951	73.3	73.3	73.3	75.9	75.9
Mayland CC	82,161	59,067	71.9	73.5	70.5	66.4	66.4
McDowell TCC	95,881	72,456	75.6	75.6	75.6	79.1	79.1
Mitchell CC	250,997	181,383	72.3	72.1	72.1	69.6	69.6
Montgomery CC	69,786	47,647	68.3	68.5	68.1	67.3	67.3
Nash CC	177,684	127,992	72.0	72.0	71.6	71.6	73.4
Pamlico CC	40,198	28,725	71.5	71.5	71.5	71.5	71.5
Piedmont CC	117,486	98,191	83.6	83.8	85.9	86.9	86.9
Pitt CC	177,554	132,619	74.7	74.7	75.7	76.2	76.2
Randolph CC	180,877	142,787	78.9	79.1	79.7	79.9	78.8
Richmond CC	159,319	114,325	71.8	72.7	76.1	77.1	77.1
Roanoke-Cho. CC	119,175	83,595	70.1	70.3	70.3	71.8	71.8
Robeson CC	183,243	136,227	74.3	75.5	75.8	79.8	79.8
Rockingham CC	268,569	191,315	71.2	72.4	74.4	73.9	73.9
Rowan-Cab. CC	191,582	146,324	76.4	76.4	76.4	76.5	76.5
Sampson CC	117,646	87,739	74.6	74.6	73.0	72.1	72.2
Sandhills CC	274,195	201,226	73.4	73.2	73.2	73.1	73.7
Southeastern CC	164,825	122,853	74.5	74.2	74.2	76.1	74.2
Southwestern CC	190,448	138,071	72.5	72.5	76.8	77.9	77.9
Stanly CC	100,311	73,833	73.6	73.6	73.4	74.8	72.5
Surry CC	182,076	133,845	73.5	73.5	73.9	73.9	74.0
Tri-County CC	103,973	82,943	79.8	78.8	78.8	81.5	81.5
Vance-Granv. CC	191,516	126,717	66.2	63.7	63.3	63.3	62.3
Wake TCC	354,080	249,883	70.6	70.8	72.3	72.2	72.2
Wayne CC	307,883	217,921	70.8	79.5	79.4	79.9	79.9
W. Piedmont CC	195,113	133,915	68.6	69.6	69.6	69.6	69.7
Wilkes CC	223,482	165,536	74.1	74.0	74.1	74.1	74.1
Wilson Co. TC	165,740	117,417	70.8	71.0	71.8	71.7	72.5
TOTAL	12,353,225	8,576,707	69.4	69.5	69.6	70.7	70.7

TABLE 14:
PERCENTAGE DISTRIBUTION OF ASSIGNABLE AREA BY SUMMARY PROGRAMS AND SUBPROGRAMS

All colleges and universities conduct a wide range of activities in pursuit of their missions as institutions of higher education. The Program Classification Structure, developed by the National Center for Higher Education Management Statistics in 1978, attempts to categorize these activities.

The structure divides all of an institution's activities into ten major categories, called programs. Each program is divided into various subprograms. Virtually every activity and square foot of assignable space can be related to one of these subprograms.

Table 14 reports for each institution the percentage of total assignable area which is classified under each program. Tables 14a-14d indicate these percentages for the subprograms. Definitions of the programs and subprograms are provided in the narratives which precede the tables.

In Tables 14 and 14a-14d, the percentages relate the assignable square footage of the specified program or subprogram to the total assignable area for the institution. For Table 14, these percentages should in theory add to exactly 100.0, but in some cases they do not because of rounding. In Tables 14a-14d, the sums of the percentages reported for the subprograms comprising a certain program should in theory equal the percentage for that program as reported in Table 14. Again, they sometimes do not because of the rounding of the subprogram percentages.

PROGRAM DEFINITIONS

The descriptions of programs and subprograms which precede Tables 14-14d are excerpted from Program Classification Structure: Technical Report 106 by Douglas J. Collier.

10 Instruction Program. This program includes activities carried out for the express purpose of eliciting some measure of educational change in a learner or group of learners. An instructional activity need not be eligible for credit in meeting specified formal curricular requirements leading to a post-secondary degree or certificate.

20 Research Program. Any activity intended to produce one or more research outcomes--including the creation of knowledge, the organization of knowledge, and the application of knowledge--is included within this program. A research activity may be conducted with institutional funds or under the terms of agreement with an agency external to the institution.

30 Public Service. The Public Service Program includes activities established to make available to the public the various resources and capabilities of the institution for the specific purpose of responding to a community need or solving a community problem.

40 Academic Support Program. Any activity carried out in direct support of one or more of the Instruction (10), Research (20), and Public Service (30) Programs is classified as Academic Support.

50 Student Service Program. The objective of the Student Service Program is to contribute to the emotional and physical well-being of the students, as well as to their intellectual, cultural, and social development outside of the context of the institution's formal Instruction Program.

60 Institutional Administration Program. This program consists of those activities carried out to provide for both the day-to-day functioning and the long-range viability of the institution as an operating organization. The ultimate goal of the Institutional Administration Program is to provide for the institution's organizational effectiveness and continuity.

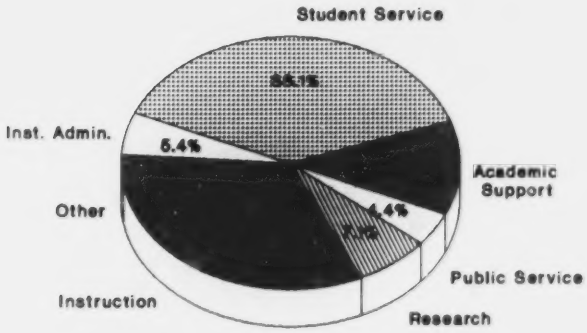
70 Physical Plant Operations Program. Activities related to maintaining existing grounds and facilities, providing utility services, and planning and designing future plant expansions and modifications are included within the Physical Plant Operations Program.

80 Student Financial Support Program. This program includes only the financial assistance provided to students in the form of outright grants, trainee stipends, and prizes, awarded by and/or administered through the institution. Although it is part of the Program Classification Structure, this program applies only to funds and not to space or activities. It is not, therefore, used in facilities inventories.

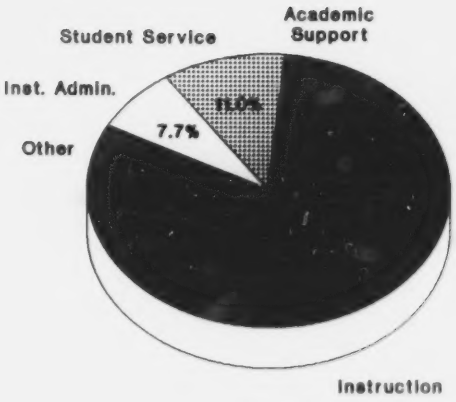
90 Independent Operations Program. Those institutional activities that are owned or controlled by the institution as investments, and which are financed as part of the institution's current operations, comprise the Independent Operations Program.

00 Unassigned. Facilities that are not in use at the time of the inventory are classified under this program. It is unique to facilities management and is not included in the Program Classification Structure.

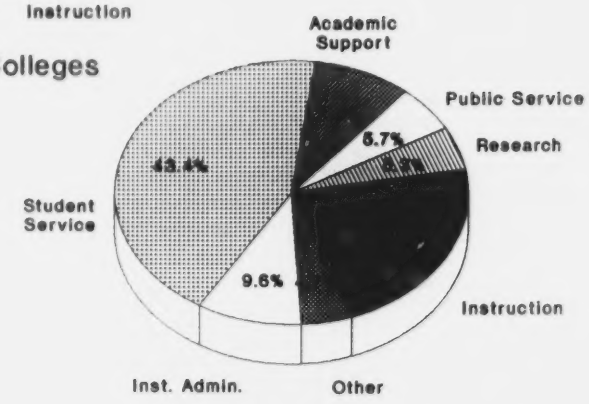
PERCENTAGE DISTRIBUTION OF ASSIGNABLE AREA BY SUMMARY PROGRAMS



University of North Carolina Campuses
and UNC Hospitals at Chapel Hill



Community Colleges



Private Institutions

Percentage Distribution of Assignable Area by Summary Programs

Table 14

INSTITUTION	Assignable Sq. Ft.	Instruction 10	Research 20	Public Serv. 30	Acad. Spt. 40	Stud. Serv. 50	Inst. Admin. 60	Phys. Plt. Opns. 70	Stud. Fin. Spt. 80	Indep. Opns. 90	Unassigned 00
Major Research Universities:											
NC State	4,210,154	29.0	18.3	3.8	7.3	34.8	3.8	2.0	-	0.6	0.3
NC State Vet.	222,771	31.4	30.1	23.8	10.7	3.3	0.4	0.4	-	-	-
UNC-Chapel Hill	4,553,789	21.0	5.9	1.6	17.2	40.4	6.1	2.1	-	4.1	1.6
UNC-Health Aff.	1,236,171	28.9	40.9	5.6	17.9	0.5	0.6	0.3	-	4.1	1.2
SUBTOTAL	10,222,885	25.5	15.8	3.5	13.1	32.4	4.4	1.8	-	2.6	1.0
Other Doctoral Universities:											
UNC-Greensboro	1,800,575	27.5	3.2	<0.1	14.5	45.0	7.5	1.3	-	-	1.1
Comprehensive Universities:											
Appalachian	1,913,486	32.1	0.3	0.5	10.2	48.9	5.0	2.9	-	0.1	0.1
East Carolina	2,103,320	32.8	2.3	0.4	9.9	47.8	5.3	1.2	-	0.2	0.1
ECU-Health Aff.	383,016	72.6	1.2	6.4	15.5	2.7	-	1.6	-	-	-
Fayetteville	556,573	32.5	0.1	0.5	13.7	41.4	9.0	2.5	-	0.3	-
NC A & T	1,428,691	37.6	4.4	0.9	13.0	36.6	5.0	1.3	-	0.6	0.6
NC Central	1,013,321	34.0	0.8	0.1	15.0	42.0	5.8	0.7	-	0.1	1.4
UNC-Charlotte	1,486,500	32.4	2.3	-	9.2	50.0	5.2	1.0	-	-	-
UNC-Wilmington	933,455	24.1	2.4	-	15.2	48.1	6.8	1.5	-	0.2	1.6
West'n Carolina	1,561,169	27.1	0.7	0.1	14.2	43.2	9.1	1.5	-	2.6	1.5
SUBTOTAL	11,379,531	33.2	1.7	0.5	12.1	43.9	5.9	1.6	-	0.5	0.6
Gen. Baccalaureate Universities:											
Elizabeth City	519,682	30.9	-	3.4	8.9	44.3	9.9	1.4	-	0.2	0.9
Pembroke	462,281	35.1	0.1	0.5	8.7	42.3	8.8	1.6	-	-	3.0
UNC-Asheville	420,433	35.4	0.6	1.9	12.5	40.4	6.6	1.5	-	1.1	-
Winston-Salem	579,770	33.4	0.4	0.2	9.5	40.7	7.8	1.8	-	0.1	6.2
SUBTOTAL	1,982,166	33.5	0.3	1.5	9.8	42.0	8.3	1.6	-	0.3	2.7
Specialized Institution:											
NC Sch. of Arts	412,689	42.9	-	5.9	6.4	33.5	5.1	0.7	-	0.5	5.0
Teaching Hospitals:											
UNC Hosp. at C. Hill	708,585	<0.1	-	97.7	-	-	<0.1	<0.1	-	-	2.2
Community Colleges:											
SUBTOTAL	8,576,707	63.5	<0.1	1.1	11.4	11.0	7.7	2.0	-	0.7	2.7
PRIVATE INSTITUTIONS											
Major Research Universities:											
SUBTOTAL	7,450,508	15.2	13.8	15.1	11.6	32.0	5.9	2.3	-	3.8	0.3
Gen. Baccalaureate Colleges:											
SUBTOTAL	11,044,714	26.3	0.1	0.1	7.5	50.1	12.0	1.9	-	0.7	1.3
Junior Colleges:											
SUBTOTAL	1,305,890	27.9	-	<0.1	7.1	52.6	10.1	1.8	-	-	0.4
GRAND TOTAL	54,884,250	32.0	5.3	4.4	10.9	35.8	7.3	1.8	-	1.4	1.2

Percentage Distribution of Assignable Area by Summary Programs

Table 14

INSTITUTION	Assignable Sq. Ft.	Instruction 10	Research 20	Public Serv. 30	Acad. Spt. 40	Stud. Serv. 50	Inst. Admin. 60	Phys. Plt. Opns. 70	Stud. Fin. Spt. 80	Indep. Opns. 90	Unassigned 00
Community Colleges:											
Alamance CC	136,960	72.0	-	1.3	10.1	6.0	6.5	1.9	-	-	2.3
Anson CC	51,063	54.6	-	0.8	18.3	11.7	8.3	5.1	-	-	1.1
Asheville-Bun. TCC	274,341	55.1	-	0.1	4.4	3.3	8.0	1.2	-	-	27.9
Beaufort Co. CC	100,203	61.1	-	-	10.7	12.8	9.8	5.7	-	-	-
Bladen CC	78,750	58.8	-	-	8.5	18.8	6.7	4.4	-	0.9	1.8
Blue Ridge CC	122,771	61.7	-	0.3	12.8	13.4	5.2	6.4	-	0.1	-
Brunswick CC	111,311	50.1	-	0.1	10.9	11.6	7.9	0.3	-	2.3	16.6
Caldwell CC & TI	150,289	63.6	-	-	13.0	14.4	7.4	0.2	-	-	1.5
Cape Fear CC	140,995	66.9	-	0.2	12.6	10.8	9.1	-	-	0.3	-
Carteret CC	121,625	48.4	-	0.1	7.1	5.9	17.3	0.5	-	13.7	7.0
Catawba Vy. CC	202,727	70.7	-	0.1	10.3	7.9	9.9	-	-	0.2	0.9
C. Carolina CC	129,644	75.1	-	-	9.6	8.0	4.2	3.1	-	-	-
C. Piedmont CC	491,144	66.2	-	0.2	13.6	10.1	8.6	1.2	-	-	0.1
Cleveland CC	132,033	64.2	-	2.9	14.3	10.5	7.1	0.4	-	-	0.5
Coastal Car. CC	159,732	69.9	-	0.1	12.5	10.1	5.1	2.3	-	-	-
Col. Albemarle	100,556	67.9	-	0.5	13.3	10.6	6.1	1.6	-	-	-
Craven CC	91,657	74.3	-	0.1	14.8	5.4	5.4	-	-	-	-
Davidson Co. CC	146,941	62.1	-	1.3	19.4	8.4	6.2	2.6	-	-	-
Durham TCC	162,162	66.4	-	0.1	12.4	5.6	10.6	3.1	-	1.7	0.1
Edgecombe CC	93,163	68.8	-	-	12.1	12.3	6.5	0.3	-	-	-
Fayettev'le TCC	291,026	53.2	-	7.2	11.8	16.3	7.2	2.3	-	-	1.9
Forsyth TCC	308,517	71.2	-	0.3	7.9	12.0	5.5	2.4	-	0.1	0.6
Gaston Col.	199,612	70.8	-	-	7.7	12.3	6.6	<0.1	-	-	2.6
Guilford TCC	417,082	66.5	-	2.2	9.7	10.1	7.9	1.5	-	2.1	0.1
Halifax CC	88,157	57.3	-	3.4	12.0	16.1	7.8	3.2	-	0.1	-
Haywood CC	183,400	71.5	-	0.2	7.9	5.8	2.7	3.4	-	8.5	-
Isothermal CC	164,330	73.9	-	0.7	8.2	7.2	6.7	3.2	-	-	-
J. Sprunt CC	87,330	69.3	-	0.5	7.1	11.9	6.9	4.4	-	-	-
Johnston CC	140,157	60.6	-	0.9	12.7	18.7	4.0	3.2	-	-	-
Lenoir CC	173,526	62.3	-	0.3	16.0	7.5	8.2	0.3	-	-	5.6
Martin CC	110,951	62.6	-	-	14.7	13.3	5.5	3.3	-	0.5	-
Mayland CC	59,067	51.3	-	0.5	19.7	10.0	16.3	0.1	-	-	2.0
McDowell TCC	72,456	73.3	-	0.4	10.0	6.4	6.9	2.9	-	-	-
Mitchell CC	181,383	58.3	-	0.2	9.5	16.2	8.4	0.7	-	0.1	6.7
Montgomery CC	47,647	69.0	-	-	11.3	9.4	7.9	2.4	-	-	-
Nash CC	127,992	80.1	-	2.8	3.7	5.9	6.0	1.4	-	-	-
Pamlico CC	28,725	57.9	-	0.8	18.7	9.2	9.3	4.0	-	-	-
Piedmont CC	98,191	47.3	-	15.7	8.5	7.2	16.5	3.5	-	1.2	-
Pitt CC	132,619	63.5	-	0.1	22.4	5.7	6.9	1.2	-	-	0.1
Randolph CC	142,787	64.4	-	-	13.7	11.4	9.3	1.2	-	-	0.1
Richmond CC	114,325	62.5	-	0.8	13.4	10.2	11.2	1.5	-	-	0.5
Roanoke-Cho. CC	83,595	58.8	-	0.2	8.9	9.7	6.4	5.0	-	-	10.9
Robeson CC	136,227	58.6	-	-	9.9	19.3	10.8	1.4	-	-	-
Rockingham CC	191,315	68.7	-	0.9	8.5	11.2	8.7	0.9	-	0.1	1.1
Rowan-Cab. CC	146,324	65.6	-	-	14.4	10.4	5.2	4.4	-	-	-
Sampson CC	87,739	59.9	-	-	14.2	11.8	8.3	-	-	-	5.8
Sandhills CC	201,226	55.4	-	0.2	12.5	16.4	6.9	2.8	-	-	5.7
Southeastern CC	122,853	64.4	-	0.8	13.6	12.1	8.0	1.0	-	-	-
Southwestern CC	138,071	54.4	-	-	10.3	23.2	8.9	2.1	-	1.1	-
Stanly CC	73,833	67.1	-	0.2	7.9	15.4	8.7	0.7	-	-	-
Surry CC	133,845	67.8	0.7	0.7	10.2	13.5	4.7	2.4	-	-	-
Tri-County CC	82,943	73.7	-	-	8.3	12.6	5.4	-	-	-	-
Vance-Granv. CC	126,717	56.1	-	12.2	11.2	5.5	9.9	0.7	-	-	4.3
Wake TCC	249,883	59.8	-	-	13.4	7.9	10.1	3.5	-	-	5.2
Wayne CC	217,921	59.4	-	0.4	11.7	11.3	5.3	4.7	-	-	7.2
W. Piedmont CC	133,915	55.4	-	<0.1	14.0	10.4	4.9	3.8	-	-	11.4
Wilkes CC	165,536	50.3	-	<0.1	11.9	24.5	8.7	0.7	-	3.8	-
Wilson Co. TC	117,417	66.9	-	1.1	14.7	6.7	8.1	2.5	-	-	-
TOTAL	8,576,707	63.5	<0.1	1.1	11.4	11.0	7.7	2.0	-	0.7	2.7

TABLE 14a:
INSTRUCTION, RESEARCH AND PUBLIC SERVICE SUBPROGRAMS

Table 14a indicates the percentages of institutional square footage under the Instruction, Research, and Public Service Subprograms.

The definitions of these subprograms follow. Subprograms which are described but which are not included in Table 14a had no square footage assigned to them by institutions.

11 General Academic Instruction. This subprogram includes those instructional offerings intended both to prepare learners, in a generalized sense, to function in a number of different occupations and to prepare them for further academic study. Instructional offerings of this general academic nature are classified in this subprogram only if they are offered as part of one of the institution's formal degree or certificate programs.

12 Vocational/Technical Instruction. This subprogram includes those instructional offerings intended to prepare learners for immediate entry into a specific occupation or career. Instructional offerings are classified in this subprogram only if they are offered as part of one of the institution's formal degree or certificate programs.

13 Requisite Preparatory/Remedial Instruction. This category includes those instructional offerings carried out to provide the learner with the skills or knowledge required by the institution to undertake course work leading to a postsecondary degree or certificate.

14 General Studies. This subprogram includes those instructional offerings that are not part of one of the institution's formal postsecondary degree or certificate programs and that are intended to provide the learner with knowledge, skills, and attitudes typically associated with an academic discipline (such as literature, mathematics, philosophy).

15 Occupational-Related Instruction. This subprogram includes those instructional offerings that are not carried out as part of a formal certificate or degree program but that are offered to provide the learner with knowledge, skills, and background related to a specific occupation or career.

16 Social Roles/Interaction Instruction. This subprogram includes those instructional offerings that are not carried out as part of a certificate or degree program but that are offered to provide the learner with knowledge, skills, and background needed to function as a member of society or to interact with the variety of social institutions. It also includes those offerings that deal with the person as a member of a particular social organization or institution.

17 Home and Family Life Instruction. This subprogram includes those instructional offerings that are not offered as part of a certificate or degree program, but which are carried out to provide the learner with knowledge, skills, and capabilities related to the establishment, maintenance, and improvement of a home; to the carrying out of those functions typically associated with the conduct of a household; or to the person's responsibilities as a member of the family unit.

18 Personal Interest and Leisure Instruction. This subprogram includes those instructional activities that are not offered as part of a certificate or degree program, but which are carried out to support an individual's recreational or avocational pursuits or to improve his or her day-to-day living skills.

21 Institutes and Research Centers. This subprogram includes all research activities conducted within the framework of a formal research organization except for those conducted under the 21 federally funded research centers. (There are no federally funded research centers in North Carolina.)

22 Individual or Project Research. This subprogram includes those research activities that normally are managed within the academic departments. Such research activities usually have a stated goal or purpose, have projected outcomes, and generally are created for specific time periods as a result of a contract, grant, or specific time allocation of institutional resources. Research which is carried out as an instructional activity, however, is classified under the appropriate Instructional Subprogram.

31 Direct Patient Care. This subprogram includes those activities carried out for the specific purpose of providing direct patient care (prevention, diagnosis, treatment, education, rehabilitation, and so forth). These services are typically rendered under the auspices of a teaching hospital or health-sciences center and are provided for the benefit of a clientele in the community-at-large rather than for the institution's own student body or faculty and staff.

32 Health Care Supportive Services. This subprogram includes those activities that are unique to a teaching hospital, health-science center, or clinic and that directly support the provision of health care, but which cannot themselves legitimately be considered part of the provision of direct patient care.

33 Community Services. This subprogram consists of resources, services, and expertise made available to persons and groups outside of the context of the institution's regular Instruction, Research, and support programs that are not included in the other Public Service Subprograms (i.e., 31, 32, 34, and 35). Activities within this subprogram differ from those under Cooperative Extension Services (34) in that they are generally sponsored and controlled by the institution; extension services usually involve a sharing of programmatic and fiscal control with an outside agency.

34 Cooperative Extension Services. This subprogram includes those activities that make resources, services, and expertise available outside the Instruction, Research, and support programs and that are conducted as cooperative efforts with outside agencies. A distinguishing feature of the activities included in this subprogram is that programmatic and fiscal control is usually shared with one or more external agencies or governmental units.

35 Public Broadcasting Services. This subprogram includes the operation and maintenance of broadcasting services that are operated outside the context of the institution's Instruction, Research, and support programs. Excluded from this category are broadcasting services that are conducted primarily in support of instruction, broadcasting services that are primarily operated as a student-broadcasting club, and broadcasting activities that are independent operations.

Instruction, Research & Public Service Subprograms

Table 14a

INSTITUTION	Gen'l Acad. Instr. 11	Voc. Tech. Instr. 12	Prep. Remed. Instr. 13	Gen'l Studies 14	Occup. Relatd Instr. 15	Social Roles Instr. 16	Home & Family Life 17	Pers. Int. Leis. Instr. 18
Major Research Universities:								
NC State	29.0	-	0.1	-	<0.1	-	-	-
NC State Vet.	31.4	-	-	-	-	-	-	-
UNC-Chapel Hill	20.9	-	<0.1	<0.1	<0.1	-	-	-
UNC-Health Aff.	28.3	-	<0.1	0.1	0.5	-	-	-
SUBTOTAL	25.4	-	<0.1	<0.1	0.1	-	-	-
Other Doctoral Universities:								
UNC-Greensboro	27.5	-	0.1	-	-	-	-	-
Comprehensive Universities:								
Appalachian	28.4	-	-	3.7	-	-	-	-
East Carolina	32.8	-	-	-	-	-	-	-
ECU-Health Aff.	72.6	-	-	-	-	-	-	-
Fayetteville	31.8	-	-	0.7	-	-	-	-
NC A & T	37.6	-	<0.1	-	-	-	-	-
NC Central	33.9	-	0.1	-	-	<0.1	-	-
UNC-Charlotte	32.4	-	-	-	-	-	-	-
UNC-Wilmington	23.9	-	-	-	0.2	-	-	-
West'n Carolina	26.6	-	0.1	0.1	0.1	0.1	-	-
SUBTOTAL	32.4	-	<0.1	0.7	<0.1	<0.1	-	-
Gen. Baccalaureate Universities:								
Elizabeth City	30.0	-	0.9	-	-	-	-	-
Pembroke	34.8	-	0.3	-	-	-	-	-
UNC-Asheville	35.4	-	-	-	-	-	-	-
Winston-Salem	32.4	-	1.0	-	-	-	-	-
SUBTOTAL	32.9	-	0.6	-	-	-	-	-

Instruction, Research & Public Service Subprograms

Table 14a

Inst. & Res. Ctrs.	Indiv. Project Res.	Direct Patient Care	Health Care Svc.	Commu-nity Svc.	Coop. Exten. Svc.	Public Broad. Svc.	INSTITUTION
21	22	31	32	33	34	35	
							Major Research Universities:
<0.1	18.2	-	-	1.8	2.0	-	NC State
-	30.1	10.2	13.6	-	-	-	NC State Vet.
0.4	5.5	-	-	1.4	-	0.2	UNC-Chapel Hill
2.1	38.7	2.4	2.9	0.4	-	-	UNC-Health Aff.
0.5	15.3	0.5	0.6	1.4	0.8	0.1	SUBTOTAL
							Other Doctoral Universities:
-	3.2	-	-	-	<0.1	-	UNC-Greensboro
							Comprehensive Universities:
-	0.3	-	-	0.5	-	-	Appalachian
0.3	2.0	-	-	0.4	-	<0.1	East Carolina
-	1.2	1.4	3.1	1.8	-	-	ECU-Health Aff.
-	0.1	-	-	0.4	-	<0.1	Fayetteville
0.2	4.3	-	-	0.2	0.6	0.1	NC A & T
0.2	0.6	-	-	0.1	-	-	NC Central
0.2	2.0	-	-	-	-	-	UNC-Charlotte
1.3	1.1	-	-	-	-	-	UNC-Wilmington
-	0.7	-	-	0.1	-	<0.1	West'n Carolina
0.2	1.5	<0.1	0.1	0.3	0.1	<0.1	SUBTOTAL
							Gen. Baccalaureate Universities:
-	-	-	-	3.1	-	0.3	Elizabeth City
-	0.1	-	-	0.5	-	-	Pembroke
0.3	0.4	-	-	1.9	-	-	UNC-Asheville
-	0.4	-	-	0.2	-	<0.1	Winston-Salem
0.1	0.2	-	-	1.4	-	0.1	SUBTOTAL

Instruction, Research & Public Service Subprograms

Table 14a

INSTITUTION	Gen'l Acad. Instr. 11	Voc. Tech. Instr. 12	Prep. Remed. Instr. 13	Gen'l Studies 14	Occup. Relatd Instr. 15	Social Roles Instr. 16	Home & Family Life 17	Pers. Int. Leis. Instr. 18
Specialized Institution:								
NC Sch. of Arts	42.9	-	-	-	-	-	-	-
Teaching Hospitals:								
UNC Hosp. at C.H.	<0.1	-	-	-	-	-	-	-
Community Colleges:								
SUBTOTAL	7.4	49.4	0.6	2.6	2.8	0.1	0.2	0.4
			PRIVATE INSTITUTIONS					
Major Research Universities:								
SUBTOTAL	15.1	-	0.1	0.1	<0.1	-	-	-
Gen. Baccalaureate Colleges:								
SUBTOTAL	26.1	<0.1	0.1	<0.1	<0.1	-	-	-
Junior Colleges:								
SUBTOTAL	27.9	-	<0.1	-	-	-	-	-
GRAND TOTAL	23.0	7.7	0.2	0.6	0.5	<0.1	<0.1	0.1

Instruction, Research & Public Service Subprograms

Table 14a

Inst. & Res. Ctrs.	Indiv. Project Res.	Direct Patient Care	Health Care Svc.	Commu-nity Svc.	Coop. Exten. Svc.	Public Broad. Svc.	INSTITUTION
21	22	31	32	33	34	35	
							Specialized Institution:
-	-	-	-	5.9	-	-	NC Sch. of Arts
							Teaching Hospital:
-	-	31.1	66.7	-	-	-	UNC Hosp. at C.H.
							Community Colleges:
-	<0.1	-	-	1.1	<0.1	<0.1	SUBTOTAL
			PRIVATE INSTITUTIONS				
							Major Research Universities:
-	13.8	4.9	10.2	-	-	<0.1	SUBTOTAL
							Gen. Baccalaureate Colleges:
-	0.1	-	-	0.1	-	-	SUBTOTAL
							Junior Colleges:
-	-	-	-	<0.1	-	-	SUBTOTAL
0.1	5.2	1.2	2.4	0.6	0.2	<0.1	GRAND TOTAL

Instruction, Research & Public Service Subprograms

Table 14a

INSTITUTION	Gen'l Acad. Instr. 11	Voc. Tech. Instr. 12	Prep. Remed. Instr. 13	Gen'l Studies 14	Occup. Relatd Instr. 15	Social Roles Instr. 16	Home & Family Life 17	Pers. Int. Leis. Instr. 18	Comm-nity Svc. 33
Community Colleges:									
Alamance CC	-	59.8	0.5	2.1	9.6	-	-	-	1.3
Anson CC	-	45.9	0.5	5.5	2.6	-	-	-	0.8
Ashev'le-Bun. TCC	-	46.2	-	0.4	8.5	-	-	-	0.1
Beaufort Co. CC	-	58.2	-	2.9	-	-	-	-	-
Bladen CC	-	51.7	-	1.4	4.8	0.1	0.8	-	-
Blue Ridge CC	-	54.0	-	1.8	6.0	-	-	-	0.3
Brunswick CC	-	43.9	0.1	3.0	2.3	-	0.8	-	0.1
Caldwell CC & TI	9.8	52.3	1.5	-	-	-	-	-	-
Cape Fear CC	0.5	63.3	-	2.9	0.1	-	-	-	0.2
Carteret CC	-	43.3	0.2	2.4	0.2	-	-	2.3	0.1
Catawba Vy. CC	0.3	62.5	-	0.7	5.5	-	-	1.7	0.1
C. Carolina CC	-	69.5	-	2.0	3.6	-	-	-	-
C. Piedmont CC	14.8	47.4	2.7	0.5	0.3	0.2	0.4	-	0.2
Cleveland CC	10.0	49.9	-	0.6	0.9	-	2.7	-	2.9
Coastal Car. CC	19.6	41.8	0.1	1.5	6.5	-	0.5	-	0.1
Col. Albemarle	18.2	43.0	0.8	5.5	0.4	-	-	-	0.5
Craven CC**	5.1	61.8	0.4	7.0	-	-	-	-	-
Davidson Co. CC	19.7	38.5	0.1	2.6	-	-	1.2	-	1.3
Durham TCC	0.1	60.1	-	6.1	<0.1	-	-	-	0.1
Edgecombe CC	3.3	58.4	-	3.7	1.1	-	2.4	-	-
Fayettev'le TCC	-	52.6	-	0.7	-	-	-	-	7.2
Forsyth TCC	-	57.5	1.0	6.1	2.0	-	0.4	4.3	0.3
Gaston Col.	18.7	49.7	0.6	0.7	0.9	0.3	-	-	-
Guilford TCC*	2.6	48.9	1.8	5.4	5.9	0.2	-	1.7	2.1
Halifax CC	11.9	37.3	3.7	0.3	0.9	1.0	-	2.3	3.4
Haywood CC	-	57.8	-	0.6	11.3	-	-	1.8	0.2
Isothermal CC**	29.5	36.0	1.5	3.0	2.3	-	0.6	1.1	-
J. Sprunt CC	-	65.2	0.2	3.8	-	-	-	-	0.5
Johnston CC	-	59.9	-	0.6	-	-	-	-	0.9
Lenoir CC*	26.5	33.5	-	1.4	0.1	-	0.8	-	0.2

*34 (Coop. Exten. Svc.): Guilford TCC - <0.1, Lenoir CC - 0.1, Pitt CC - 0.1
Subtotal - <0.1

Instruction, Research & Public Service Subprograms

Table 14a

INSTITUTION	Gen'l Acad. Instr. 11	Voc. Tech. Instr. 12	Prep. Remed. Instr. 13	Gen'l Studies 14	Occup. Relatd Instr. 15	Social Roles Instr. 16	Home & Family Life 17	Pers. Int. Leis. Instr. 18	Comm-nity Svc. 33
Community Colleges:									
Martin CC	12.4	49.7	-	0.5	-	-	-	-	-
Mayland CC	-	49.6	-	1.7	<0.1	-	-	-	0.5
McDowell TCC	1.7	63.2	0.4	3.4	4.6	-	-	-	0.4
Mitchell CC	18.8	21.8	<0.1	14.6	2.9	-	-	-	0.2
Montgomery CC	-	69.0	-	-	-	-	-	-	-
Nash CC	1.0	46.4	1.1	-	29.6	0.5	1.6	-	2.8
Pamlico CC	-	57.9	-	-	-	-	-	-	0.8
Piedmont CC	-	41.3	0.5	2.2	3.4	-	-	-	15.7
Pitt CC*	5.2	55.2	1.0	2.1	-	-	-	-	-
Randolph CC	-	62.1	-	0.2	2.1	-	-	-	-
Richmond CC	-	53.0	-	8.2	1.0	0.3	-	-	0.8
Roanoke-Cho. CC	-	50.7	0.8	1.7	3.0	-	-	2.5	0.2
Robeson CC	-	54.9	-	2.5	1.1	-	-	-	-
Rockingham CC	31.6	32.7	-	1.3	3.1	-	-	-	0.9
Rowan-Cab. CC	-	62.7	-	0.6	2.4	-	-	-	-
Sampson CC	-	46.5	3.3	7.1	-	-	2.9	-	-
Sandhills CC	22.8	28.6	0.7	0.6	2.7	<0.1	-	-	0.2
Southeastern CC	15.7	46.4	1.8	0.6	-	-	-	-	0.8
Southwestern CC	-	51.9	-	1.4	-	-	-	1.1	-
Stanly CC**	-	65.0	-	-	2.1	-	-	-	-
Surry CC	19.9	42.1	1.0	0.1	4.7	-	-	-	0.7
Tri-County CC	4.4	63.5	-	4.7	-	-	0.9	0.2	-
Vance-Granv. CC	3.7	46.0	0.6	4.2	1.6	-	-	-	12.2
Wake TCC	-	54.1	0.1	2.5	3.2	-	-	-	-
Wayne CC	6.8	44.7	-	6.6	1.4	-	-	-	0.4
W. Piedmont CC	25.2	26.1	-	2.6	1.5	-	-	-	<0.1
Wilkes CC	15.2	34.6	-	0.6	-	-	-	-	<0.1
Wilson Co. TC	-	57.5	4.2	1.2	3.3	-	0.7	-	1.1
TOTAL	7.4	49.4	0.6	2.6	2.8	0.1	0.2	0.4	1.1

**35 (Public Broad. Svc.): Craven CC - 0.1, Isothermal CC - 0.7, Stanly CC - 0.2, Subtotal - <0.1

TABLE 14b:
ACADEMIC SUPPORT SUBPROGRAMS

Table 14b indicates the percentages of institutional square footage under each of the Academic Support Subprograms.

The definitions of these subprograms follow. Subprograms which are described but which are not included in Table 14b had no square footage assigned to them by institutions.

41 Library Services. This subprogram includes those activities that directly support the collection, cataloging, storage, and distribution of published materials in support of one or more of the institution's primary programs. This subprogram applies only to library services which are separately funded; departmental libraries are included under the appropriate Instruction Subprogram.

42 Museums and Galleries. This subprogram includes those activities related to the collection, preservation, and exhibition of historical materials, art objects, scientific displays, and so forth, that support one or more of the institution's primary programs. This subprogram applies only to museums and galleries which are separately funded; departmental libraries are included under the appropriate Instruction Subprogram.

43 Educational Media Services. This subprogram includes those audio, visual, and other technological services that have been established to provide direct support for the institution's Instruction, Research, and Public Service Programs.

44 Academic Computer Support. This subprogram includes those computer services that have been established to provide direct support for one or more of the institution's primary programs. It does not include administrative data-processing services and computing support.

45 Ancillary Support. This subprogram includes those activities that directly contribute to the way in which instruction is delivered or research is conducted but that cannot be appropriately classified as educational media services or academic computing support.

46 Academic Administration. This subprogram consists of those activities that provide administrative and management support specifically for the institution's academic programs. It includes the activities of the college deans, the administrative activities of departmental chairpersons, and the activities of their associated support staff, but it does not include the activities of those whose responsibilities are institution-wide and involve duties outside of the academic realm.

47 Course and Curriculum Development. This subprogram includes only those formal planning and development activities established either to improve or to add to the institution's curriculum. Those activities that individual faculty members carry out to update and improve their current course offerings are included under the appropriate Instruction Subprogram.

48 Academic Personnel Development. This subprogram includes those activities that provide the faculty with opportunities for personal and professional growth and development, as well as those activities intended to evaluate and reward the professional performance of the faculty.

Table 14b

Academic Support Subprograms

INSTITUTION	Libr. Svcs. 41	Museum & Galleries 42	Educ. Media Svcs. 43	Acad. Comput. Spt. 44	Ancil-lary Spt. 45	Acad. Admin. 46	Course & Curr. Devel. 47	Acad. Pers. Dev. 48
Major Research Universities:								
NC State	4.2	-	0.2	0.6	<0.1	2.3	-	-
NC State Vet.	5.4	-	1.0	0.1	-	4.1	-	-
UNC-Chapel Hill	13.7	-	0.2	0.4	0.1	2.8	-	<0.1
UNC-Health Aff.	5.3	-	0.4	0.2	0.1	11.8	0.1	<0.1
SUBTOTAL	8.6	-	0.3	0.4	0.1	3.7	<0.1	<0.1
Other Doctoral Universities:								
UNC-Greensboro	7.7	2.2	1.1	1.1	0.9	1.5	-	-
Comprehensive Universities:								
Appalachian	5.9	1.2	0.5	0.2	0.4	1.9	0.1	0.1
East Carolina	5.7	0.3	0.1	<0.1	2.2	1.5	-	-
ECU-Health Aff.	12.1	-	0.4	-	0.5	2.5	-	-
Fayetteville	9.6	0.4	0.8	<0.1	1.1	1.8	-	-
NC A & T	3.5	0.6	0.3	0.3	4.6	3.7	-	-
NC Central	9.0	0.4	0.5	0.9	1.2	2.9	-	-
UNC-Charlotte	5.4	0.1	0.6	0.5	-	2.6	-	-
UNC-Wilmington	13.2	-	-	0.1	-	2.0	-	-
West'n Carolina	7.7	0.6	0.5	0.1	4.0	1.4	-	-
SUBTOTAL	7.0	0.5	0.4	0.2	1.8	2.2	<0.1	<0.1
Gen. Baccalaureate Universities:								
Elizabeth City	6.2	0.1	0.1	0.4	0.9	1.1	-	-
Pembroke	5.0	1.5	0.9	0.4	-	0.9	-	-
UNC-Asheville	8.9	0.6	1.2	1.7	-	0.2	-	-
Winston-Salem	4.7	0.7	0.2	1.3	0.4	2.4	-	-
SUBTOTAL	6.0	0.7	0.5	0.9	0.3	1.3	-	-

Table 14b

Academic Support Subprograms

INSTITUTION	Libr. Svcs.	Museum & Galleries	Educ. Media Svcs.	Acad. Comput. Spt.	Ancil-lary Spt.	Acad. Admin.	Course & Curr. Devel.	Acad. Pers. Dev.
	41	42	43	44	45	46	47	48
Specialized Institution:								
NC Sch. of Arts	4.4	0.7	0.1	0.1	0.6	0.6	-	-
Teaching Hospitals:								
UNC Hosp. at C.H.	-	-	-	-	-	-	-	-
Community Colleges:								
SUBTOTAL	7.9	0.1	1.1	0.1	0.6	1.6	<0.1	<0.1
PRIVATE INSTITUTIONS								
Major Research Universities:								
SUBTOTAL	7.7	0.4	0.2	0.3	<0.1	2.9	-	<0.1
Gen. Baccalaureate Colleges:								
SUBTOTAL	6.0	0.4	0.3	0.1	0.3	0.4	-	<0.1
Junior Colleges:								
SUBTOTAL	5.9	0.7	-	0.1	-	0.4	-	-
GRAND TOTAL	7.2	0.4	0.4	0.3	0.6	2.0	<0.1	<0.1

Table 14b

Academic Support Subprograms

INSTITUTION	Libr. Svcs.	Museum & Galleries	Educ. Media Svcs.	Acad. Comput. Spt.	Ancil-lary Spt.	Acad. Admin.	Course & Curr. Devel.	Acad. Pers. Dev.
	41	42	43	44	45	46	47	48
Community Colleges:								
Alamance CC	4.8	-	0.8	0.2	3.0	1.3	-	-
Anson CC	13.6	-	0.5	-	-	4.3	-	-
Ashev'le-Bun. TCC	2.8	-	0.2	<0.1	-	1.3	-	-
Beaufort Co. CC	8.2	-	0.9	-	-	1.4	0.2	-
Bladen CC	7.1	-	0.4	-	-	1.0	-	-
Blue Ridge CC	9.3	0.1	2.2	-	-	1.2	-	-
Brunswick CC	7.8	-	1.3	-	0.3	1.6	-	-
Caldwell CC & TI	7.8	-	1.4	-	-	3.7	-	-
Cape Fear CC	9.1	-	2.5	-	-	1.0	-	-
Carteret CC	5.0	-	1.1	-	-	1.0	-	-
Catawba Vy. CC	5.9	0.2	1.3	-	0.5	2.5	-	-
C. Carolina CC	7.5	-	0.9	-	-	1.2	-	-
C. Piedmont CC	8.2	-	1.7	-	1.4	2.3	-	-
Cleveland CC	10.7	0.4	1.4	-	-	1.8	-	-
Coastal Car. CC	10.4	0.3	1.2	0.1	-	0.5	-	-
Col. Albemarle	9.9	0.8	0.6	-	-	2.0	-	-
Craven CC	11.6	-	1.8	-	-	1.4	-	-
Davidson Co. CC	12.1	-	2.0	0.1	3.4	1.8	-	-
Durham TCC	7.4	-	1.7	-	-	3.1	0.2	-
Edgecombe CC	8.5	-	1.2	0.3	-	2.0	-	-
Fayettev'le TCC	5.4	-	1.6	-	-	4.9	-	-
Forsyth TCC	5.2	-	0.5	0.2	-	1.9	-	-
Gaston Col.	4.7	0.3	-	0.4	1.6	0.7	-	-
Guilford TCC	7.1	-	0.8	-	-	1.8	0.1	-
Halifax CC	10.2	-	0.5	-	-	1.4	-	-
Haywood CC	4.1	0.2	0.9	-	2.2	0.5	-	-
Isothermal CC	5.1	-	0.6	-	1.7	0.8	-	-
J. Sprunt CC	5.7	-	-	-	-	1.2	-	0.3
Johnston CC	8.6	-	2.6	-	-	1.5	-	-
Lenoir CC	12.3	1.1	1.1	-	-	1.4	-	-

Table 14b

Academic Support Subprograms

INSTITUTION	Libr. Svcs.	Museum & Galleries	Educ. Media Svcs.	Acad. Comput. Spt.	Ancil-lary Spt.	Acad. Admin.	Course & Curr. Devel.	Acad. Pers. Dev.
	41	42	43	44	45	46	47	48
Community Colleges:								
Martin CC	12.9	-	-	-	-	1.8	-	-
Mayland CC	16.9	-	1.5	-	-	1.3	-	-
McDowell TCC	7.0	0.8	-	0.4	1.6	0.2	-	-
Mitchell CC	6.4	0.7	0.7	-	-	1.8	-	-
Montgomery CC	6.8	-	-	-	3.9	0.5	-	-
Nash CC	3.1	-	-	-	-	0.7	-	-
Pamlico CC	14.9	-	2.0	0.3	-	1.5	-	-
Piedmont CC	7.2	-	0.6	0.1	-	0.6	-	-
Pitt CC	15.3	-	2.3	-	3.4	1.0	0.3	-
Randolph CC	10.6	-	1.7	-	-	1.3	-	-
Richmond CC	10.0	-	1.5	0.6	-	1.3	-	-
Roanoke-Cho. CC	7.5	-	-	-	-	1.4	-	-
Robeson CC	7.5	-	1.4	-	-	1.0	-	-
Rockingham CC	6.5	0.7	0.5	-	-	0.8	-	-
Rowan-Cab. CC	10.4	-	0.8	0.3	-	2.9	-	-
Sampson CC	10.9	-	-	-	-	3.4	-	-
Sandhills CC	9.4	0.6	1.5	-	-	1.0	-	-
Southeastern CC	10.7	-	0.8	0.2	1.6	0.4	-	-
Southwestern CC	5.9	-	1.8	-	-	2.7	-	-
Stanly CC	6.7	-	0.2	-	-	1.0	-	-
Surry CC	8.7	-	1.0	0.1	-	0.3	-	-
Tri-County CC	7.7	-	-	-	-	0.6	-	-
Vance-Granv. CC	7.8	-	-	0.2	2.2	1.0	-	-
Wake TCC	10.1	-	2.3	0.3	-	0.7	-	-
Wayne CC	9.0	-	1.4	-	-	1.2	0.1	-
W. Piedmont CC	7.0	-	4.3	-	-	2.8	-	-
Wilkes CC	6.4	1.3	1.1	-	2.0	1.2	-	-
Wilson Co. TC	5.9	-	2.0	-	4.8	2.0	-	-
TOTAL	7.9	0.1	1.1	0.1	0.6	1.6	<0.1	<0.1

TABLE 14c:
STUDENT SERVICE AND PHYSICAL PLANT OPERATIONS SUBPROGRAMS

Table 14c indicates the percentages of institutional square footage under the Student Service and Physical Plant Operations Subprograms.

The definitions of these subprograms follow. Subprograms which are described but which are not included in Table 14c had no square footage assigned to them by institutions.

51 Student Service Administration. This subprogram includes those administrative activities that provide assistance and support (excluding academic support) to the needs and interests of students.

52 Social and Cultural Development. This subprogram includes those activities established to provide for the social and cultural development of the student outside of the formal academic program. It includes those activities primarily supported and controlled by the student body, those cultural activities provided outside the student's educational experience, and general recreation activities for the student body.

53 Counseling and Career Guidance. This subprogram includes those formal placement, career guidance, and personal counseling services provided for the benefit of students. Excluded are psychiatric and psychological counseling services that are carried out as part of the student health program.

54 Financial Aid Administration. This subprogram includes those administrative activities carried out in support of the institution's financial aid program.

55 Student Auxiliary Services. This subprogram includes those conveniences and services needed to maintain an on-campus, resident student body. A fee which is related to but not necessarily equal to the cost of the service rendered is often charged for these services.

56 Intercollegiate Athletics. This subprogram includes those team and individual sports activities that involve competition between two or more educational institutions.

57 Student Health/Medical Services. This subprogram includes those activities carried out for the specific purpose of providing health and medical services for the student body. The activities included here generally are associated with a student infirmary rather than a teaching hospital. Health and medical services provided for the institution's faculty and staff are also included in this subprogram.

71 Physical Plant Administration. This subprogram consists of those administrative activities carried out in direct support of the institution's physical plant operations. Those activities related to the development of plans for plant expansion or modification as well as for new construction are also included.

72 Building Maintenance. This subprogram consists of those activities related to routine repair and maintenance of buildings and structures, including both normally recurring repairs and preventive maintenance.

73 Custodial Services. This subprogram consists of those activities related to custodial services in institutional buildings.

74 Utilities. This subprogram consists of those activities related to heating, cooling, light and power, gas, water, and any other utilities necessary for the operation of the physical plant.

75 Landscape and Ground Maintenance. This subprogram consists of those activities related to the operation and maintenance of campus landscape and grounds.

76 Major Repairs and Renovations. This subprogram consists of those activities related to major repairs, maintenance, and renovation projects. Major projects are generally defined as each institution wishes. Expenditures which approximate at least 25% of a building's estimated replacement cost should be considered major.

Student Service and Physical Plant Operations Subprograms

Table 14c

INSTITUTION	Stud. Svc. Admin. 51	Social/ Cultur. Devel. 52	Coun/ Career Guid. 53	Finan. Aid Admin. 54	Student Auxiliary Service 55	Inter-colleg. Athl. 56	Stud. Health/ Med. Svc. 57	Physical Plant Admin. 71	Build-ing Maint. 72	Custo-dial Svcs. 73	Util-ities 74	Landscp. Grounds Maint. 75
Major Research Universities:												
NC State	0.1	2.8	0.2	0.1	27.7	3.5	0.3	0.6	0.9	<0.1	0.5	0.1
NC State Vet.	-	0.1	-	-	3.2	-	-	-	0.2	0.2	-	-
UNC-Chapel Hill	0.1	2.8	0.2	0.1	28.8	7.6	0.8	0.4	0.8	0.2	0.5	0.2
UNC-Health Aff.	<0.1	<0.1	<0.1	<0.1	0.4	-	-	-	-	0.3	-	-
SUBTOTAL	0.1	2.4	0.2	0.1	24.4	4.8	0.5	0.4	0.7	0.1	0.4	0.1
Other Doctoral Universities:												
UNC-Greensboro	0.3	5.8	0.4	0.1	36.2	1.3	0.9	0.7	0.4	-	0.1	-
Comprehensive Universities:												
Appalachian	0.3	8.6	0.3	0.1	37.6	1.3	0.8	1.6	0.8	<0.1	0.5	-
East Carolina	0.1	5.7	0.3	0.2	38.9	2.6	<0.1	0.2	0.9	0.1	-	-
ECU-Health Aff.	-	-	-	-	-	-	2.7	<0.1	1.6	-	-	-
Fayetteville	0.2	6.1	0.6	0.9	31.8	1.1	0.7	-	1.8	-	-	0.6
NC A & T	0.2	4.4	0.7	0.2	29.5	1.2	0.4	0.3	0.9	<0.1	0.1	<0.1
NC Central	0.1	5.5	0.5	0.3	31.7	3.3	0.5	0.1	0.5	-	-	0.1
UNC-Charlotte	0.2	4.1	0.4	0.1	44.4	0.3	0.5	0.2	0.7	0.1	-	-
UNC-Wilmington	0.5	5.2	0.5	0.2	35.7	5.8	0.2	0.4	1.0	-	0.1	-
West'n Carolina	0.1	6.2	0.3	0.1	33.6	2.4	0.4	0.4	0.8	0.3	<0.1	-
SUBTOTAL	0.2	5.7	0.4	0.2	34.9	2.0	0.5	0.5	0.9	0.1	0.1	<0.1
Gen. Baccalaureate Universities:												
Elizabeth City	0.3	5.6	0.3	0.5	34.8	1.9	1.0	0.8	0.6	-	-	-
Pembroke	0.2	9.7	0.7	0.2	30.5	0.3	0.7	0.4	1.0	<0.1	-	0.2
UNC-Asheville	0.2	3.8	0.5	0.2	33.5	1.8	0.4	0.3	0.4	0.2	0.2	0.4
Winston-Salem	0.4	6.4	0.3	0.5	30.3	2.4	0.5	0.2	1.3	-	0.2	-
SUBTOTAL	0.3	6.4	0.4	0.4	32.2	1.6	0.6	0.4	0.9	<0.1	0.1	0.1
Specialized Institution:												
NC Sch. of Arts	0.2	7.5	0.1	0.2	24.8	-	0.6	0.2	0.5	-	-	-
Teaching Hospitals:												
UNC Hosp. at C. Hill	-	-	-	-	-	-	-	-	<0.1	-	-	-
Community Colleges:												
SUBTOTAL	0.4	4.6	0.9	0.2	4.8	<0.1	<0.1	0.1	1.6	<0.1	<0.1	0.2
PRIVATE INSTITUTIONS												
Major Research Universities:												
SUBTOTAL	0.1	3.6	0.1	0.1	24.8	3.1	0.3	0.4	1.0	0.2	0.4	0.1
Gen. Baccalaureate Colleges:												
SUBTOTAL	0.2	8.3	0.2	0.2	38.2	2.5	0.5	0.2	1.4	0.1	<0.1	<0.1
Junior Colleges:												
SUBTOTAL	0.4	8.1	0.2	0.1	41.1	1.9	0.8	0.2	1.4	0.2	-	<0.1
GRAND TOTAL	0.2	5.2	0.4	0.1	27.1	2.4	0.4	0.3	1.1	0.1	0.2	0.1

Student Service and Physical Plant Operations Subprograms

Table 14c

INSTITUTION	Stud. Svc. Admin.	Social/ Cultur. Devel.	Coun/ Career Guid.	Finan. Aid Admin.	Student Auxiliary Service	Inter-colleg. Athl.	Stud. Health/ Med. Svc.	Physical Plant Admin.	Build-ing Maint.	Custo-dial Svcs.	Util-ities	Landscp. Grounds Maint.
	51	52	53	54	55	56	57	71	72	73	74	75
Community Colleges:												
Alamance CC	0.7	0.1	0.2	0.5	4.5	-	-	0.4	1.5	-	-	-
Anson CC	0.4	6.4	-	0.2	4.8	-	-	-	5.1	-	-	-
Asheville-Bun. TCC	<0.1	0.8	0.2	<0.1	2.2	-	-	0.3	0.6	0.1	-	0.3
Beaufort Co. CC	0.2	6.9	1.5	0.1	4.0	-	-	-	5.7	-	-	-
Bladen CC	0.8	16.1	0.5	-	1.4	-	-	-	4.4	-	-	-
Blue Ridge CC	0.1	4.3	1.1	0.1	7.9	-	-	-	5.0	-	-	1.5
Brunswick CC	1.7	1.1	0.3	0.3	8.3	-	-	-	0.3	-	-	-
Caldwell CC & TI	0.1	8.9	0.9	<0.1	4.5	-	-	-	0.1	-	-	0.1
Cape Fear CC	1.0	3.2	1.4	0.2	5.1	-	-	-	-	-	-	-
Carteret CC	0.5	1.9	0.2	0.1	3.2	-	-	0.2	0.2	-	-	-
Catawba Vy. CC	0.1	3.4	1.6	0.1	2.7	-	-	-	-	-	-	-
C. Carolina CC	1.0	0.4	0.9	0.1	5.5	-	<0.1	3.1	-	-	-	-
C. Piedmont CC	0.5	2.6	1.8	0.4	4.7	-	-	0.2	0.9	0.1	-	<0.1
Cleveland CC	0.9	6.6	0.1	0.1	7.9	-	-	0.1	0.3	-	-	-
Coastal Car. CC	0.1	2.3	1.9	0.1	5.7	-	-	-	2.3	-	-	-
Col. Albemarle	1.4	6.8	0.3	0.4	1.8	-	-	-	1.6	-	-	-
Craven CC	0.2	0.1	1.1	0.2	3.8	-	-	-	-	-	-	-
Davidson Co. CC	0.2	2.2	1.0	0.1	4.8	-	-	0.1	2.5	-	-	-
Durham TCC	0.2	1.8	1.6	0.2	1.9	-	-	-	2.4	<0.1	-	0.7
Edgecombe CC	0.5	9.9	0.8	-	1.1	-	-	-	0.3	-	-	-
Fayettev'le TCC	0.9	7.0	1.4	0.1	6.7	-	0.1	-	1.9	0.4	-	-
Forsyth TCC	-	4.8	0.6	0.1	6.4	-	-	0.1	2.2	-	-	-
Gaston Col.	0.3	6.3	0.6	0.2	4.9	-	0.1	-	<0.1	-	-	-
Guilford TCC	0.2	4.3	1.1	0.1	4.3	-	<0.1	-	1.5	<0.1	-	-
Halifax CC	-	5.7	2.0	0.3	8.2	-	-	0.1	3.0	-	-	-
Haywood CC	0.1	1.8	-	<0.1	3.9	-	-	<0.1	0.7	<0.1	-	2.6
Isothermal CC	0.3	3.1	0.4	-	3.4	-	-	0.6	2.0	0.4	0.3	-
J. Sprunt CC	0.6	4.5	0.6	0.4	5.8	-	-	-	4.4	-	-	-
Johnston CC	0.4	12.5	0.4	0.1	5.2	-	-	-	3.2	<0.1	-	-
Lenoir CC	<0.1	2.0	0.2	0.2	3.6	1.3	-	-	0.3	-	-	-
Martin CC	0.4	7.2	0.5	0.1	5.0	-	-	0.2	3.1	-	-	-
Mayland CC	0.5	0.3	0.3	-	8.9	-	-	-	0.1	-	-	-
McDowell TCC	0.4	-	1.9	0.2	3.7	-	0.2	-	0.5	-	-	2.4
Mitchell CC	0.4	8.3	1.1	0.3	6.0	-	-	-	0.7	-	-	-
Montgomery CC	0.2	3.7	0.6	0.2	4.6	-	-	-	2.4	-	-	-
Nash CC	0.8	0.5	1.1	0.1	3.4	-	-	-	1.3	0.1	-	-
Pamlico CC	1.1	-	1.1	-	7.0	-	-	-	4.0	-	-	-
Piedmont CC	1.2	0.3	0.1	-	5.6	-	-	-	3.5	-	-	-
Pitt CC	1.4	0.1	0.5	0.3	3.4	<0.1	-	-	0.9	0.3	-	-
Randolph CC	0.9	2.5	1.7	0.1	6.2	-	-	0.3	0.9	-	-	-
Richmond CC	0.8	3.9	1.8	0.1	3.6	-	0.1	-	1.5	-	-	-
Roanoke-Cho. CC	0.3	2.4	1.0	0.3	5.7	-	-	-	-	-	-	5.0
Robeson CC	0.7	10.1	1.3	0.2	7.0	-	-	-	1.4	-	-	-
Rockingham CC	0.2	6.8	0.3	0.1	3.7	-	-	0.1	0.6	-	-	0.2
Rowan-Cab. CC	0.5	-	1.1	0.1	8.8	-	-	-	4.4	-	-	-
Sampson CC	0.2	3.8	0.3	0.1	7.4	-	-	-	-	-	-	-
Sandhills CC	<0.1	7.9	0.4	0.3	7.9	-	-	-	2.2	0.1	0.1	0.5
Southeastern CC	0.5	3.8	1.6	0.2	6.0	-	-	0.4	0.6	-	-	-
Southwestern CC	0.3	15.6	0.6	0.1	6.6	-	-	-	2.1	-	-	-
Stanly CC	0.1	6.0	1.5	0.1	7.7	-	-	0.1	0.6	-	-	-
Surry CC	0.1	3.1	2.3	0.1	7.8	-	-	0.1	2.4	-	-	-
Tri-County CC	0.9	7.2	0.2	0.1	4.2	-	-	-	-	-	-	-
Vance-Granv. CC	0.2	-	1.2	0.2	4.0	-	-	-	0.7	-	-	-
Wake TCC	0.3	1.9	1.7	<0.1	3.8	-	0.1	0.1	3.2	-	-	0.3
Wayne CC	0.3	5.4	0.9	0.4	4.3	-	0.1	-	4.7	-	-	-
W. Piedmont CC	0.8	4.1	0.6	0.1	4.7	-	<0.1	0.2	2.5	0.1	-	1.0
Wilkes CC	0.1	20.4	0.6	0.1	3.2	-	-	0.1	0.5	0.1	-	-
Wilson Co. TC	0.4	2.0	0.7	0.1	3.2	-	0.3	0.1	2.4	-	-	-
TOTAL	0.4	4.6	0.9	0.2	4.8	<0.1	<0.1	0.1	1.6	<0.1	<0.1	0.2

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TABLE 14d:
INSTITUTIONAL ADMINISTRATION, INDEPENDENT OPERATIONS, AND UNASSIGNED SUBPROGRAMS

Table 14d indicates the percentages of institutional square footage under the Institutional Administration, Independent Operations, and Unassigned Subprograms. The definitions of these subprograms follow.

61 Executive Management. This subprogram consists of those executive-level activities concerned with the overall management of and long-range planning for the entire institution. Included are the activities of the various administrators involved in policy formulation and executive direction, including those of the governing board, the chief executive officer, and the senior executive officers.

62 Financial Management and Operations. This subprogram consists of those activities related to the day-to-day financial management and fiscal operations of the institution.

63 General Administration and Logistical Services. This subprogram consists of those activities related to the general administrative operations and services of the institution with the exception of those activities related to financial operations, to administrative data processing, and to student records.

64 Administrative Computing Support. This subprogram includes those computer and data processing services that have been established to provide support for institution-wide administrative functions.

65 Faculty and Staff Auxiliary Services. This subprogram includes those support services that have been established primarily to serve the faculty and staff. A fee which is related to but not necessarily equal to the cost of the service rendered is often charged for these services.

66 Public Relations/Development. This subprogram consists of those institutional activities established to maintain relations with the local community, the institution's alumni, governmental entities, and the public in general, as well as those activities carried out to support institution-wide fund raising and development efforts.

67 Student Recruitment and Admissions. This subprgram consists of those activities carried out by an institution that are related to the identification of prospective students, the promotion of attendance at the institution, and the processing of applications for admission to the institution.

68 Student Records. This subprogram includes those activities the institution carries out to maintain, handle, and update records for currently enrolled students as well as for those who were previously enrolled.

91 Independent Operations/Institutional. This subprogram includes those operations that are owned or controlled by the institution but that are unrelated to or independent of the institution's mission. Excluded are those operations managed as investments of the institution's endowment funds.

92 Independent Operations/External Agencies. This subprogram includes those activities that are controlled or operated by outside agencies, but that are housed or otherwise supported in some way by the institution.

01 Capable of Use. This subprogram is limited to rooms that are not in use but are capable of use at the time of the inventory.

02 Incapable of Use. This subprogram is limited to rooms that are not in use at the time of the inventory because they are incapable of use. Included are rooms under alteration or renovation and rooms which have been declared structurally unsafe.

Subprogram 03 (Building Service) is not included in this table (and is not considered as part of Program 00 in Table 14) because it applies to nonassignable area only.

Institutional Administration, Independent Operations & Unassigned Subprograms

Table 14d

INSTITUTION	Exec. Mgmt.	Fin. Mgmt. & Opns.	Gen. Adm. Log. Svc.	Admin. Comput. Spt.	Fac/Staff Aux. Svcs.	Public Rela/ Devel.	Stud. Recruit. Admiss.	Stud. Recd.	Indep. Opns. Inst.	Indep. Opns. Ext. Agency	Unassigned Usable	Unassigned Unusable
	61	62	63	64	65	66	67	68	91	92	01	02
Major Research Universities:												
NC State	0.2	0.7	2.1	0.3	0.2	0.2	0.1	0.1	0.3	0.3	0.1	0.2
NC State Vet.	-	-	0.3	-	-	0.1	-	-	-	-	-	-
UNC-Chapel Hill	0.4	0.7	3.3	0.3	0.6	0.5	0.1	0.2	2.1	2.0	0.7	0.8
UNC-Health Aff.	-	<0.1	0.2	0.2	<0.1	0.1	-	<0.1	1.1	3.0	0.9	0.3
SUBTOTAL	0.2	0.6	2.4	0.3	0.4	0.3	0.1	0.1	1.2	1.4	0.5	0.5
Other Doctoral Universities:												
UNC-Greensboro	0.7	0.4	4.8	0.3	0.3	0.8	0.2	-	-	-	-	1.1
Comprehensive Universities:												
Appalachian	0.5	0.4	2.3	0.6	0.5	0.3	0.2	0.3	-	0.1	0.1	-
East Carolina	0.3	0.2	2.5	0.8	0.3	0.7	0.1	0.2	-	0.2	0.1	<0.1
ECU-Health Aff.	-	-	-	-	-	-	-	-	-	-	-	-
Fayetteville	1.4	1.1	3.1	-	2.6	0.2	0.4	0.3	<0.1	0.3	-	-
NC A & T	1.2	1.0	1.3	0.1	0.9	0.3	0.1	0.1	-	0.6	0.5	0.1
NC Central	0.7	0.5	2.3	0.7	1.0	0.2	0.2	0.1	-	0.1	0.9	0.5
UNC-Charlotte	0.9	0.6	2.3	0.3	0.3	0.2	0.3	0.1	-	-	-	-
UNC-Wilmington	1.0	1.0	2.5	0.4	0.9	0.4	0.4	0.3	-	0.2	-	1.6
West'n Carolina	0.7	0.3	3.5	0.3	3.4	0.5	0.2	0.2	-	2.6	0.1	1.4
SUBTOTAL	0.7	0.5	2.4	0.4	1.1	0.4	0.2	0.2	<0.1	0.5	0.2	0.4
Gen. Baccalaureate Universities:												
Elizabeth City	1.4	0.8	2.7	0.4	3.6	0.5	0.2	0.3	-	0.2	0.9	-
Pembroke	0.8	0.6	3.2	0.8	1.9	0.9	0.4	0.3	-	-	0.1	2.9
UNC-Asheville	1.1	0.8	2.1	0.1	1.4	0.4	0.4	0.4	-	1.1	-	-
Winston-Salem	1.0	0.9	2.5	-	2.1	0.7	0.3	0.4	-	0.1	4.5	1.6
SUBTOTAL	1.1	0.8	2.6	0.3	2.3	0.6	0.3	0.3	-	0.3	1.6	1.1
Specialized Institution:												
NC Sch. of Arts	0.7	0.2	0.9	0.1	2.3	0.4	0.3	0.2	0.5	-	-	5.0
Teaching Hospitals:												
UNC Hosp. at C. Hill	-	-	<0.1	-	-	-	-	-	-	-	0.2	2.0
Community Colleges:												
SUBTOTAL	1.3	1.0	3.4	0.3	0.6	0.2	0.3	0.5	0.1	0.6	0.7	2.0
PRIVATE INSTITUTIONS												
Major Research Universities:												
SUBTOTAL	0.3	0.4	2.8	0.3	1.2	0.6	0.2	0.1	1.9	1.9	0.1	0.2
Gen. Baccalaureate Colleges:												
SUBTOTAL	0.7	0.5	2.2	0.2	7.0	0.7	0.5	0.2	0.3	0.4	0.6	0.7
Junior Colleges:												
SUBTOTAL	0.6	0.5	2.2	<0.1	5.4	0.7	0.5	0.2	-	-	0.2	0.2
GRAND TOTAL	0.7	0.6	2.6	0.3	2.2	0.5	0.3	0.2	0.6	0.8	0.4	0.8

Institutional Administration, Independent Operations & Unassigned Subprograms

Table 14d

INSTITUTION	Exec. Mgmt.	Fin. Mgmt. & Opns.	Gen. Adm. Log. Svc.	Admin. Comput. Spt.	Fac/Staff Aux. Svcs.	Public Rela/ Devel.	Stud. Recruit. Admiss.	Stud. Recd.	Indep. Opns. Inst.	Indep. Opns. Ext. Agency	Unassigned Usable	Unassigned Unusable
	61	62	63	64	65	66	67	68	91	92	01	02
Community Colleges:												
Alamance CC	1.3	1.2	1.8	0.1	0.8	0.5	0.2	0.5	-	-	0.1	2.2
Anson CC	2.3	1.4	4.5	0.2	-	-	-	-	-	-	1.1	-
Ashev'le-Bun. TCC	1.2	0.8	5.3	0.1	0.2	-	0.1	0.3	-	-	-	27.9
Beaufort Co. CC	1.9	0.9	4.7	0.2	0.4	0.4	0.4	0.9	-	-	-	-
Bladen CC	2.2	0.8	3.1	0.3	0.1	-	-	0.2	-	0.9	0.2	1.7
Blue Ridge CC	0.8	1.5	1.4	0.1	0.7	0.2	-	0.5	-	0.1	-	-
Brunswick CC	2.0	0.9	3.3	0.3	0.8	0.2	0.1	0.2	-	2.3	13.9	2.7
Caldwell CC & TI	0.8	1.0	3.9	0.3	-	0.2	1.0	0.3	-	-	1.5	-
Cape Fear CC	1.2	2.4	4.2	0.4	-	0.2	-	0.7	-	0.3	-	-
Carteret CC	1.2	0.6	14.8	0.3	0.2	-	-	0.2	-	13.7	-	7.0
Catawba Vy. CC	0.5	1.0	6.9	0.2	0.5	0.1	-	0.7	-	0.2	-	0.9
C. Carolina CC	1.4	1.0	0.7	-	0.1	-	-	0.9	-	-	-	-
C. Piedmont CC	0.6	1.1	2.4	0.5	1.4	0.8	0.4	1.4	-	-	-	0.1
Cleveland CC	1.8	0.7	3.2	-	0.7	0.5	0.1	0.3	-	-	0.5	-
Coastal Car. CC	1.0	1.0	1.7	0.1	0.5	0.1	0.1	0.5	-	-	-	-
Col. Albemarle	1.3	1.0	2.3	0.3	0.4	0.2	0.2	0.4	-	-	-	-
Craven CC	1.2	1.4	1.6	-	0.3	0.5	-	0.4	-	-	-	-
Davidson Co. CC	1.5	0.8	1.1	0.3	1.5	0.3	0.2	0.5	-	-	-	-
Durham TCC	1.6	1.4	3.0	1.8	0.9	0.4	1.1	0.5	-	1.7	0.1	-
Edgecombe CC	2.2	0.8	2.1	-	0.3	-	0.6	0.6	-	-	-	-
Fayettev'le TCC	1.2	1.3	2.1	0.4	0.4	0.3	0.8	0.7	-	-	-	1.9
Forsyth TCC	1.7	0.6	1.8	0.1	0.1	<0.1	0.7	0.5	-	0.1	0.6	-
Gaston Col.	1.4	0.6	3.7	-	0.2	0.1	0.3	0.2	-	-	2.6	-
Guilford TCC	1.4	0.6	3.9	0.3	0.5	0.2	0.3	0.5	0.6	1.5	0.1	-
Halifax CC	0.4	0.4	5.1	0.4	0.6	0.2	0.4	0.2	-	0.1	-	-
Haywood CC	0.7	0.4	1.1	0.1	0.2	-	0.2	0.1	0.5	8.0	-	-
Isothermal CC	1.8	1.1	2.7	0.1	0.1	0.2	0.2	0.7	-	-	-	-
J. Sprunt CC	2.0	1.9	1.8	-	-	-	-	1.3	-	-	-	-
Johnston CC	0.7	0.8	1.7	0.2	0.3	-	0.1	0.2	-	-	-	-
Lenoir CC	0.6	1.4	4.4	0.1	0.8	-	0.4	0.4	-	-	-	5.6
Martin CC	0.9	0.9	1.8	1.3	0.3	-	-	0.4	-	0.5	-	-
Mayland CC	2.4	1.3	11.2	1.1	-	-	0.2	0.2	-	-	2.0	-
McDowell TCC	1.2	1.7	3.2	0.3	0.1	0.3	-	0.2	-	-	-	-
Mitchell CC	0.6	1.2	3.9	-	0.8	1.0	0.2	0.8	-	0.1	6.7	-
Montgomery CC	2.5	1.7	3.0	-	-	-	0.2	0.5	-	-	-	-
Nash CC	1.4	0.8	1.8	0.5	0.7	0.2	0.5	0.2	-	-	-	-
Pamlico CC	2.7	3.0	3.1	0.2	-	-	-	0.3	-	-	-	-
Piedmont CC	3.4	1.4	8.0	0.3	2.4	0.4	0.1	0.6	-	1.2	-	-
Pitt CC	0.8	1.1	2.5	0.7	0.7	0.2	0.1	0.7	-	-	0.1	-
Randolph CC	1.3	1.1	4.7	0.2	0.8	0.2	-	0.9	-	-	0.1	-
Richmond CC	3.9	1.1	4.8	0.1	0.2	0.5	0.1	0.6	-	-	0.5	-
Roanoke-Cho. CC	1.6	1.1	2.1	0.3	0.5	0.3	0.4	0.3	-	-	10.9	-
Robeson CC	1.5	1.4	5.2	0.4	0.4	0.1	1.3	0.6	-	-	-	-
Rockingham CC	1.0	1.0	3.8	0.8	0.9	0.3	0.4	0.4	-	0.1	0.4	0.6
Rowan-Cab. CC	0.7	1.6	1.9	-	0.1	-	0.8	0.2	-	-	-	-
Sampson CC	2.0	1.1	3.9	0.3	-	-	0.1	0.9	-	-	-	5.8
Sandhills CC	1.2	0.2	2.1	0.4	2.6	-	0.2	0.2	-	-	-	5.7
Southeastern CC	0.9	1.4	4.1	0.2	-	0.4	0.4	0.5	-	-	-	-
Southwestern CC	0.9	1.2	4.8	-	-	0.2	0.3	1.5	-	1.1	-	-
Stanly CC	3.3	1.3	1.3	0.2	-	0.6	0.5	1.5	-	-	-	-
Surry CC	0.5	1.0	1.8	0.6	0.6	0.1	0.1	-	-	-	-	-
Tri-County CC	0.8	0.7	3.4	0.1	0.1	-	-	0.4	-	-	-	-
Vance-Granv. CC	1.1	1.1	4.9	-	0.2	0.7	1.6	0.4	-	-	4.3	-
Wake TCC	1.9	0.6	4.8	0.3	1.2	0.3	0.3	0.7	-	-	-	5.2
Wayne CC	1.3	0.6	1.8	0.4	0.7	0.1	0.3	0.2	-	-	1.4	5.8
W. Piedmont CC	0.9	0.7	1.8	0.6	-	0.4	0.1	0.5	-	-	-	11.4
Wilkes CC	1.5	1.0	5.4	0.2	0.1	0.1	0.4	0.1	3.8	-	-	-
Wilson Co. TC	2.2	1.8	2.5	-	0.4	0.2	<0.1	1.0	-	-	-	-
TOTAL	1.3	1.0	3.4	0.3	0.6	0.2	0.3	0.5	0.1	0.6	0.7	2.0

TABLE 15:
ASSIGNABLE AREA BY ROOM CODES

Just as all assignable space can be categorized by program (Table 14), it can also be classified by type of room. A system of codes has been developed which includes virtually all types of rooms which can be found at a college or university. The room code system is summarized on page 118; specific definitions can be found in the Higher Education Facilities Commission's Facilities Inventory and Utilization Manual (fourth edition).

Table 15 provides percentage distributions among the ten major room code divisions. In theory, the sums of the percentages should always equal to 100.0, but they do not for some institutions because of rounding.

The data from the 1974 HEGIS facilities survey, conducted by the National Center for Education Statistics, serve as the basis for norms. The following chart reports these norms and summarizes the corresponding data from Table 15. These norms are not applicable to the public two-year institutions because they have almost no residential space. For these schools, the subtotal for "Community Colleges" in Table 15 may serve as a norm.

Room Code	Norm	All N. C. Institutions 1989
Classroom (Series 100)	8.0	7.8
Laboratory (Series 200)	14.5	15.1
Office (Series 300)	13.0	16.3
Study (Series 400)	6.8	7.4
Special Use (Series 500)	8.9	9.1
General Use (Series 600)	12.0	12.6
Supporting (Series 700)	6.5	4.6
Health Care (Series 800)	1.4	2.7
Residential (Series 900)	26.7	23.2
Unclassified (Series 000)	2.2	1.2

ROOM CODES

100 Classroom Facilities
110 Classroom
115 Classroom Service

200 Laboratory Facilities
210 Class Laboratory
215 Class Laboratory Service
220 Special Class Laboratory
225 Special Class Laboratory Service
230 Individual Study Laboratory
235 Individual Study Laboratory Service
250 Nonclass Laboratory
255 Nonclass Laboratory Service

300 Office Facilities
310 Office
315 Office Service
350 Conference Room (Office Related)
355 Conference Room Service (Office Related)

400 Study Facilities
410 Reading/Study Room
420 Stack
430 Open Stack Reading Room
440 Processing Room
455 Study Service

500 Special Use Facilities
510 Armory
515 Armory Service
520 Athletic/Physical Education
523 Athletic Facilities Spectator Seating
525 Athletic/Physical Education Service
530 Audiovisual, Radio, TV
535 Audiovisual, Radio, TV Service
540 Clinic (Nonhealth Professions)
550 Demonstration
555 Demonstration Service
560 Field Building
570 Animal Quarters
575 Animal Quarters Service
580 Greenhouse
585 Greenhouse Service
590 Other

600 General Use Facilities
610 Assembly
615 Assembly Service
620 Exhibition
625 Exhibition Service
630 Food Facilities
635 Food Facilities Service
650 Lounge
655 Lounge Service
660 Merchandising Facilities
665 Merchandising Facilities Service
670 Recreation
675 Recreation Service
680 Meeting Room
685 Meeting Room Service
690 Locker Room

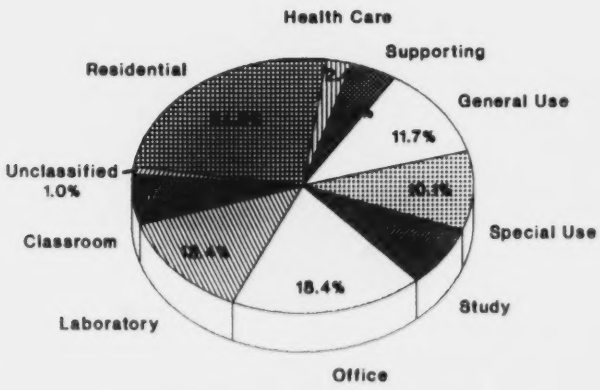
700 Supporting Facilities
710 Data Processing/Computer
715 Data Processing/Computer Service
720 Shop
725 Shop Service
730 Storage
735 Storage Service
740 Vehicle Storage Facility
745 Vehicle Storage Facility Service
750 Central Food Store
760 Central Laundry

800 Health Care Facilities
810 Patient Bedroom
820 Patient Bath
830 Nurse Station
840 Surgery
850 Treatment
860 Service Laboratory
870 Supplies
880 Public Waiting
895 Health Care Service

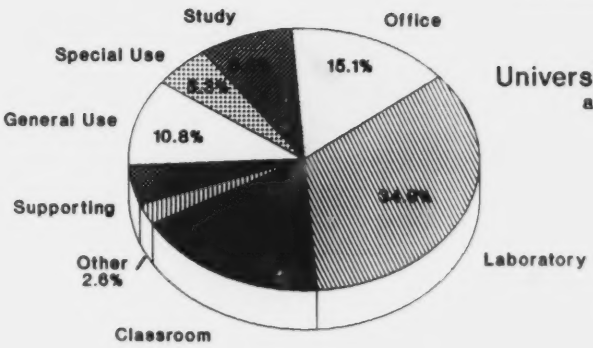
900 Residential Facilities
910 Sleep/Study without Toilet/Bath
919 Toilet/Bath
920 Sleep/Study with Toilet/Bath
935 Sleep/Study Service
950 Apartment
955 Apartment Service
970 House

000 Unclassified Facilities
050 Inactive Area
060 Alteration Area
070 Unfinished Area

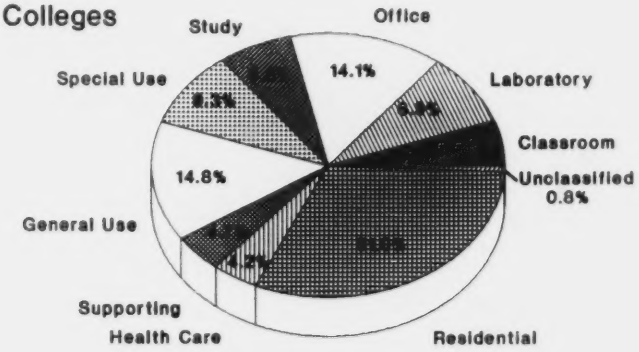
PERCENTAGE DISTRIBUTION OF ASSIGNABLE AREA BY ROOM CODES



University of North Carolina Campuses
and UNC Hospitals at Chapel Hill



Community Colleges



Private Institutions

Assignable Area by Room Codes

Table 15

INSTITUTION	Total Assignable Area	Classroom Facilities (100)		Laboratory Facilities (200)		Office Facilities (300)		Study Facilities (400)	
		ASF	%	ASF	%	ASF	%	ASF	%
Major Research Universities:									
NC State	4,210,154	207,164	4.9	892,718	21.2	856,769	20.4	174,892	4.2
NC State Vet.	222,771	7,724	3.5	49,067	22.0	31,608	14.2	13,269	6.0
UNC-Chapel Hill	4,553,789	220,428	4.8	381,570	8.4	804,974	17.7	620,216	13.6
UNC-Health Aff.	1,236,171	53,887	4.4	430,726	34.8	464,172	37.5	63,588	5.1
SUBTOTAL	10,222,885	489,203	4.8	1,754,081	17.2	2,157,523	21.1	871,965	8.5
Other Doctoral Universities:									
UNC-Greensboro	1,800,575	123,406	6.9	175,853	9.8	321,940	17.9	145,600	8.1
Comprehensive Universities:									
Appalachian	1,913,486	131,036	6.8	153,318	8.0	289,171	15.1	108,735	5.7
East Carolina	2,103,320	192,205	9.1	266,739	12.7	338,387	16.1	121,236	5.8
ECU-Health Aff.	383,016	30,381	7.9	119,249	31.1	101,468	26.5	39,081	10.2
Fayetteville	556,573	40,914	7.4	60,068	10.8	87,097	15.6	58,719	10.6
NC A & T	1,428,691	118,261	8.3	232,097	16.2	255,057	17.9	57,284	4.0
NC Central	1,013,321	104,874	10.3	84,719	8.4	167,479	16.5	109,460	10.8
UNC-Charlotte	1,486,500	85,626	5.8	214,026	14.4	241,962	16.3	104,189	7.0
UNC-Wilmington	933,455	64,361	6.9	73,589	7.9	157,912	16.9	115,793	12.4
West'n Carolina	1,561,169	93,430	6.0	125,421	8.0	205,362	13.2	117,192	7.5
SUBTOTAL	11,379,531	861,088	7.6	1,329,226	11.7	1,843,895	16.2	831,689	7.3
Gen. Baccalaureate Universities:									
Elizabeth City	519,682	32,229	6.2	46,634	9.0	72,090	13.9	37,015	7.1
Pembroke	462,281	45,264	9.8	26,205	5.7	69,123	15.0	29,226	6.3
UNC-Asheville	420,433	31,186	7.4	59,615	14.2	66,896	15.9	36,622	8.7
Winston-Salem	579,770	60,759	10.5	44,459	7.7	91,249	15.7	32,736	5.6
SUBTOTAL	1,982,166	169,438	8.5	176,913	8.9	299,358	15.1	135,599	6.8
Specialized Institution:									
NC Sch. of Arts	412,689	15,429	3.7	107,675	26.1	43,389	10.5	18,631	4.5
Teaching Hospital:									
UNC Hosp. at C. Hill	708,585	228	<0.1	88	<0.1	203,163	28.7	5,418	0.8
Community Colleges:									
SUBTOTAL	8,576,707	1,522,547	17.8	2,993,012	34.9	1,293,595	15.1	733,438	8.6
				PRIVATE INSTITUTIONS					
Major Research Universities:									
SUBTOTAL	7,450,508	246,584	3.3	907,639	12.2	1,571,718	21.1	575,104	7.7
Gen. Baccalaureate Colleges:									
SUBTOTAL	11,044,714	744,201	6.7	741,612	6.7	1,112,893	10.1	692,994	6.3
Junior Colleges:									
SUBTOTAL	1,305,890	100,076	7.7	107,886	8.3	109,795	8.4	76,397	5.9
GRAND TOTAL	54,884,250	4,272,200	7.8	8,293,985	15.1	8,957,269	16.3	4,086,835	7.4

Assignable Area by Room Codes

Table 15

Special Use Facilities (500)		General Use Facilities (600)		Supporting Facilities (700)		Health Care Facilities (800)		Residential Facilities (900)		Unclassified Facilities (000)		INSTITUTION
ASF	%	ASF	%	ASF	%	ASF	%	ASF	%	ASF	%	
												Major Research Universities:
511,933	12.2	365,514	8.7	203,726	4.8	11,351	0.3	971,440	23.1	14,647	0.3	NC State
50,536	22.7	11,080	5.0	6,734	3.0	52,753	23.7	-	-	-	-	NC State Vet.
529,518	11.6	502,526	11.0	244,976	5.4	21,008	0.5	1,156,415	25.4	72,158	1.6	UNC-Chapel Hill
66,949	5.4	46,188	3.7	31,834	2.6	63,446	5.1	430	<0.1	14,951	1.2	UNC-Health Aff.
1,158,936	11.3	925,308	9.1	487,270	4.8	148,558	1.5	2,128,285	20.8	101,756	1.0	SUBTOTAL
												Other Doctoral Universities:
110,618	6.1	304,805	16.9	97,641	5.4	9,409	0.5	492,036	27.3	19,267	1.1	UNC-Greensboro
												Comprehensive Universities:
199,334	10.4	317,857	16.6	97,241	5.1	11,973	0.6	603,358	31.5	1,463	0.1	Appalachian
160,012	7.6	222,248	10.6	75,356	3.6	-	-	725,682	34.5	1,455	0.1	East Carolina
31,000	8.1	8,913	2.3	15,994	4.2	36,930	9.6	-	-	-	-	ECU-Health Aff.
46,721	8.4	86,441	15.5	27,140	4.9	3,891	0.7	145,582	26.2	-	-	Fayetteville
198,956	13.9	166,307	11.6	33,530	2.3	6,016	0.4	352,391	24.7	8,792	0.6	NC A & T
136,655	13.5	106,323	10.5	33,769	3.3	4,727	0.5	255,730	25.2	9,585	0.9	NC Central
98,356	6.6	200,043	13.5	35,298	2.4	6,779	0.5	500,211	33.7	-	-	UNC-Charlotte
100,266	10.7	92,101	9.9	26,028	2.8	1,219	0.1	287,645	30.8	14,541	1.6	UNC-Wilmington
193,319	12.4	227,675	14.6	78,349	5.0	4,279	0.3	494,655	31.7	21,487	1.4	West'n Carolina
1,164,629	10.2	1,427,908	12.5	422,705	3.7	75,814	0.7	3,365,254	29.6	57,323	0.5	SUBTOTAL
												Gen. Baccalaureate Universities:
68,216	13.1	84,877	16.3	15,323	2.9	4,862	0.9	158,237	30.4	199	<0.1	Elizabeth City
62,675	13.6	83,236	18.0	20,171	4.4	2,820	0.6	110,265	23.9	13,296	2.9	Pembroke
34,629	8.2	57,286	13.6	18,672	4.4	1,126	0.3	114,401	27.2	-	-	UNC-Asheville
66,428	11.5	90,234	15.6	22,774	3.9	2,500	0.4	138,259	23.8	30,372	5.2	Winston-Salem
231,948	11.7	315,633	15.9	76,940	3.9	11,308	0.6	521,162	26.3	43,867	2.2	SUBTOTAL
												Specialized Institution:
12,565	3.0	77,111	18.7	23,063	5.6	1,814	0.4	92,288	22.4	20,724	5.0	NC Sch. of Arts
												Teaching Hospitals:
1,692	0.2	43,090	6.1	46,914	6.6	390,429	55.1	3,311	0.5	14,252	2.0	UNC Hosp. at C. Hill
												Community Colleges:
456,635	5.3	924,110	10.8	418,833	4.9	1,796	<0.1	9,527	0.1	223,214	2.6	SUBTOTAL
						PRIVATE INSTITUTIONS						
												Major Research Universities:
452,451	6.1	790,100	10.6	475,265	6.4	771,152	10.4	1,638,032	22.0	22,463	0.3	SUBTOTAL
												Gen. Baccalaureate Colleges:
1,257,883	11.4	1,900,076	17.2	405,693	3.7	45,813	0.4	4,011,375	36.3	132,174	1.2	SUBTOTAL
												Junior Colleges:
134,363	10.3	232,071	17.8	45,223	3.5	8,818	0.7	486,163	37.2	5,098	0.4	SUBTOTAL
4,981,720	9.1	6,940,212	12.6	2,499,547	4.6	1,464,911	2.7	12,747,433	23.2	640,138	1.2	GRAND TOTAL

Assignable Area by Room Codes

Table 15

INSTITUTION	Total Assignable Area	Classroom Facilities (100)		Laboratory Facilities (200)		Office Facilities (300)		Study Facilities (400)	
		ASF	%	ASF	%	ASF	%	ASF	%
Community Colleges:									
Alamance CC	136,960	27,481	20.1	56,312	41.1	21,796	15.9	7,884	5.8
Anson CC	51,063	6,287	12.3	19,033	37.3	8,784	17.2	6,624	13.0
Asheville-Bun. TCC	274,341	55,632	20.3	71,140	25.9	31,372	11.4	7,115	2.6
Beaufort Co. CC	100,203	16,307	16.3	36,528	36.5	16,093	16.1	8,925	8.9
Bladen CC	78,750	9,658	12.3	33,200	42.2	8,474	10.8	5,240	6.7
Blue Ridge CC	122,771	19,183	15.6	48,274	39.3	13,708	11.2	10,734	8.7
Brunswick CC	111,311	18,766	16.9	25,660	23.1	15,908	14.3	14,600	13.1
Caldwell CC & TI	150,289	22,302	14.8	59,804	39.8	20,861	13.9	12,941	8.6
Cape Fear CC	140,995	18,334	13.0	62,015	44.0	28,947	20.5	11,926	8.5
Carteret CC	121,625	13,815	11.4	38,246	31.4	10,487	8.6	6,961	5.7
Catawba Vy. CC	202,727	42,027	20.7	82,080	40.5	28,324	14.0	14,981	7.4
C. Carolina CC	129,644	23,289	18.0	60,661	46.8	20,800	16.0	8,759	6.8
C. Piedmont CC	491,144	90,791	18.5	167,734	34.2	86,666	17.6	57,192	11.6
Cleveland CC	132,033	23,241	17.6	44,686	33.8	17,608	13.3	13,500	10.2
Coastal Car. CC	159,732	25,682	16.1	68,313	42.8	23,137	14.5	15,293	9.6
Col. Albemarle	100,556	17,142	17.0	39,076	38.9	16,883	16.8	12,219	12.2
Craven CC	91,657	18,807	20.5	39,027	42.6	12,464	13.6	14,418	15.7
Davidson Co. CC	146,941	29,217	19.9	43,636	29.7	23,039	15.7	16,094	11.0
Durham TCC	162,162	33,825	20.9	60,906	37.6	30,062	18.5	13,147	8.1
Edgecombe CC	93,163	20,101	21.6	34,113	36.6	16,008	17.2	8,412	9.0
Fayettev'lle TCC	291,026	54,911	18.9	80,450	27.6	58,119	20.0	14,761	5.1
Forsyth TCC	308,517	63,020	20.4	114,247	37.0	45,253	14.7	20,244	6.6
Gaston Col.	199,612	44,441	22.3	74,398	37.3	31,437	15.7	9,772	4.9
Guilford TCC	417,082	86,228	20.7	146,112	35.0	64,716	15.5	29,946	7.2
Halifax CC	88,157	14,018	15.9	29,316	33.3	14,677	16.6	11,571	13.1
Haywood CC	183,400	13,090	7.1	99,963	54.5	18,187	9.9	7,038	3.8
Isothermal CC	164,330	27,794	16.9	57,352	34.9	19,130	11.6	10,963	6.7
J. Sprunt CC	87,330	14,727	16.9	35,303	40.4	19,317	22.1	4,336	5.0
Johnston CC	140,157	21,654	15.4	47,498	33.9	13,484	9.6	14,057	10.0
Lenoir CC	173,526	34,669	20.0	43,849	25.3	23,062	13.3	22,839	13.2
Martin CC	110,951	13,805	12.4	46,901	42.3	12,534	11.3	13,448	12.1
Mayland CC	59,067	9,564	16.2	13,704	23.2	10,712	18.1	8,531	14.4
McDowell TCC	72,456	16,298	22.5	31,922	44.1	11,646	16.1	4,962	6.8
Mitchell CC	181,383	31,411	17.3	52,279	28.8	22,309	12.3	14,350	7.9
Montgomery CC	47,647	6,280	13.2	23,699	49.7	6,689	14.0	2,909	6.1
Nash CC	127,992	30,819	24.1	58,181	45.5	21,854	17.1	4,400	3.4
Pamlico CC	28,725	4,363	15.2	11,183	38.9	4,488	15.6	3,916	13.6
Piedmont CC	98,191	12,869	13.1	27,060	27.6	14,708	15.0	7,377	7.5
Pitt CC	132,619	22,200	16.7	48,630	36.7	23,439	17.7	19,711	14.9
Randolph CC	142,787	25,552	17.9	57,800	40.5	22,421	15.7	12,034	8.4
Richmond CC	114,325	17,766	15.5	41,548	36.3	23,664	20.7	11,452	10.0
Roanoke-Cho. CC	83,595	14,989	17.9	30,026	35.9	11,344	13.6	7,512	9.0
Robeson CC	136,227	24,051	17.7	43,969	32.3	23,785	17.5	11,391	8.4
Rockingham CC	191,315	35,748	18.7	57,102	29.8	23,781	12.4	12,331	6.4
Rowan-Cab. CC	146,324	32,217	22.0	47,947	32.8	22,700	15.5	15,523	10.6
Sampson CC	87,739	12,178	13.9	29,605	33.7	15,408	17.6	11,144	12.7
Sandhills CC	201,226	30,393	15.1	52,085	25.9	29,270	14.5	19,823	9.9
Southeastern CC	122,853	22,250	18.1	39,098	31.8	20,808	16.9	13,095	10.7
Southwestern CC	138,071	25,584	18.5	38,607	28.0	23,219	16.8	9,688	7.0
Stanly CC	73,833	16,794	22.7	26,407	35.8	12,987	17.6	5,223	7.1
Surry CC	133,845	22,283	16.6	43,796	32.7	17,497	13.1	11,261	8.4
Tri-County CC	82,943	17,944	21.6	35,590	42.9	7,447	9.0	6,222	7.5
Vance-Granv. CC	126,717	21,808	17.2	42,214	33.3	18,796	14.8	9,715	7.7
Wake TCC	249,883	50,946	20.4	71,016	28.4	42,843	17.1	29,914	12.0
Wayne CC	217,921	36,871	16.9	68,648	31.5	31,906	14.6	23,851	10.9
W. Piedmont CC	133,915	21,570	16.1	39,829	29.7	19,164	14.3	10,442	7.8
Wilkes CC	165,536	24,223	14.6	42,365	25.6	19,478	11.8	10,904	6.6
Wilson Co. TC	117,417	15,332	13.1	52,869	45.0	19,895	16.9	9,817	8.4
TOTAL	8,576,707	1,522,547	17.8	2,993,012	34.9	1,293,595	15.1	733,438	8.6

Assignable Area by Room Codes

Table 15

Special Use Facilities (500)		General Use Facilities (600)		Supporting Facilities (700)		Health Care Facilities (800)		Residential Facilities (900)		Unclassified Facilities (000)		INSTITUTION
ASF	%	ASF	%	ASF	%	ASF	%	ASF	%	ASF	%	
												Community Colleges:
5,236	3.8	10,261	7.5	4,242	3.1	-	-	627	0.5	3,121	2.3	Alamance CC
240	0.5	4,944	9.7	4,579	9.0	-	-	-	-	572	1.1	Anson CC
9,733	3.5	8,182	3.0	14,608	5.3	-	-	-	-	76,559	27.9	Ashev'le-Bun. TCC
1,072	1.1	11,880	11.9	9,398	9.4	-	-	-	-	-	-	Beaufort Co. CC
349	0.4	14,649	18.6	5,747	7.3	-	-	-	-	1,433	1.8	Bladen CC
6,002	4.9	15,717	12.8	9,153	7.5	-	-	-	-	-	-	Blue Ridge CC
1,714	1.5	13,038	11.7	3,741	3.4	-	-	-	-	17,884	16.1	Brunswick CC
15,755	10.5	11,530	7.7	4,900	3.3	-	-	-	-	2,196	1.5	Caldwell CC & TI
3,283	2.3	13,255	9.4	2,978	2.1	-	-	257	0.2	-	-	Cape Fear CC
1,275	1.0	22,682	18.6	19,592	16.1	-	-	-	-	8,567	7.0	Carteret CC
7,222	3.6	14,717	7.3	11,454	5.6	-	-	-	-	1,922	0.9	Catawba Vy. CC
3,474	2.7	8,235	6.4	4,391	3.4	35	<0.1	-	-	-	-	C. Carolina CC
29,979	6.1	44,660	9.1	10,750	2.2	-	-	2,737	0.6	635	0.1	C. Piedmont CC
11,752	8.9	16,734	12.7	4,280	3.2	-	-	-	-	232	0.2	Cleveland CC
4,526	2.8	16,742	10.5	6,039	3.8	-	-	-	-	-	-	Coastal Car. CC
726	0.7	10,900	10.8	3,610	3.6	-	-	-	-	-	-	Col. Albemarle
1,797	2.0	4,250	4.6	894	1.0	-	-	-	-	-	-	Craven CC
17,932	12.2	12,320	8.4	4,703	3.2	-	-	-	-	-	-	Davidson Co. CC
2,441	1.5	12,025	7.4	9,564	5.9	-	-	-	-	192	0.1	Durham TCC
2,002	2.1	11,096	11.9	1,431	1.5	-	-	-	-	-	-	Edgecombe CC
17,846	6.1	40,104	13.8	18,929	6.5	378	0.1	-	-	5,528	1.9	Fayettev'le TCC
17,655	5.7	35,896	11.6	10,225	3.3	-	-	-	-	1,977	0.6	Forsyth TCC
6,079	3.0	23,984	12.0	4,492	2.3	279	0.1	-	-	4,730	2.4	Gaston Col.
19,922	4.8	44,103	10.6	25,831	6.2	84	<0.1	-	-	140	<0.1	Guilford TCC
1,069	1.2	12,589	14.3	4,917	5.6	-	-	-	-	-	-	Halifax CC
28,132	15.3	11,326	6.2	5,431	3.0	-	-	233	0.1	-	-	Haywood CC
29,363	17.9	10,618	6.5	9,110	5.5	-	-	-	-	-	-	Isothermal CC
303	0.3	9,260	10.6	4,084	4.7	-	-	-	-	-	-	J. Sprunt CC
13,061	9.3	24,817	17.7	5,586	4.0	-	-	-	-	-	-	Johnston CC
21,655	12.5	11,148	6.4	6,547	3.8	-	-	125	0.1	9,632	5.6	Lenoir CC
5,808	5.2	11,890	10.7	6,565	5.9	-	-	-	-	-	-	Martin CC
5,189	8.8	5,493	9.3	5,874	9.9	-	-	-	-	-	-	Mayland CC
1,127	1.6	3,992	5.5	2,399	3.3	110	0.2	-	-	-	-	McDowell TCC
12,654	7.0	28,370	15.6	8,223	4.5	-	-	-	-	11,787	6.5	Mitchell CC
1,538	3.2	4,096	8.6	2,436	5.1	-	-	-	-	-	-	Montgomery CC
-	-	9,206	7.2	3,532	2.8	-	-	-	-	-	-	Nash CC
465	1.6	2,114	7.4	2,196	7.6	-	-	-	-	-	-	Pamlico CC
12,031	12.3	13,401	13.6	10,745	10.9	-	-	-	-	-	-	Piedmont CC
7,661	5.8	6,818	5.1	3,979	3.0	-	-	-	-	181	0.1	Pitt CC
4,769	3.3	12,650	8.9	7,381	5.2	-	-	-	-	180	0.1	Randolph CC
1,445	1.3	11,551	10.1	6,282	5.5	100	0.1	-	-	517	0.5	Richmond CC
-	-	6,994	8.4	5,504	6.6	-	-	-	-	7,226	8.6	Roanoke-Cho. CC
1,747	1.3	24,982	18.3	6,302	4.6	-	-	-	-	-	-	Robeson CC
27,251	14.2	23,607	12.3	9,600	5.0	-	-	-	-	1,895	1.0	Rockingham CC
3,597	2.5	16,413	11.2	7,927	5.4	-	-	-	-	-	-	Rowan-Cab. CC
1,140	1.3	10,026	11.4	3,122	3.6	-	-	-	-	5,116	5.8	Sampson CC
12,264	6.1	31,728	15.8	8,568	4.3	-	-	5,548	2.8	11,547	5.7	Sandhills CC
10,138	8.3	11,872	9.7	5,592	4.6	-	-	-	-	-	-	Southeastern CC
3,863	2.8	30,015	21.7	7,095	5.1	-	-	-	-	-	-	Southwestern CC
1,444	2.0	10,282	13.9	696	0.9	-	-	-	-	-	-	Stanly CC
17,796	13.3	15,343	11.5	5,869	4.4	-	-	-	-	-	-	Surry CC
-	-	13,749	16.6	1,991	2.4	-	-	-	-	-	-	Tri-County CC
2,764	2.2	20,823	16.4	5,111	4.0	-	-	-	-	5,486	4.3	Vance-Granv. CC
4,855	1.9	18,717	7.5	18,267	7.3	328	0.1	-	-	12,997	5.2	Wake TCC
3,643	1.7	24,076	11.0	13,165	6.0	131	0.1	-	-	15,630	7.2	Wayne CC
7,437	5.6	12,670	9.5	7,417	5.5	54	<0.1	-	-	15,332	11.4	W. Piedmont CC
22,615	13.7	34,532	20.9	11,419	6.9	-	-	-	-	-	-	Wilkes CC
1,799	1.5	7,038	6.0	10,370	8.8	297	0.3	-	-	-	-	Wilson Co. TC
456,635	5.3	924,110	10.8	418,833	4.9	1,796	<0.1	9,527	0.1	223,214	2.6	TOTAL

TABLE 16:

ASSIGNABLE SQUARE FEET PER STUDENT STATION FOR CLASSROOMS

The number of students that a classroom can accommodate is an important factor in determining how efficiently classroom space is used. This can be measured in terms of assignable square feet per student station and the average number of stations per classroom.

The assignable square feet per student station in a classroom is largely determined by the number and type of stations in the room. Generally, rooms with relatively large numbers of stations require less space per station. As for types of stations, tables and chairs require more space per station than standard student desks, which require more space than theater seating. Although the space required per station can vary from less than ten assignable square feet to more than 30, a frequently cited norm is 16 square feet per station.

The Higher Education Facilities Planning and Management Manuals (page 62 of Manual Two) list norms which are based on the number and type of station:

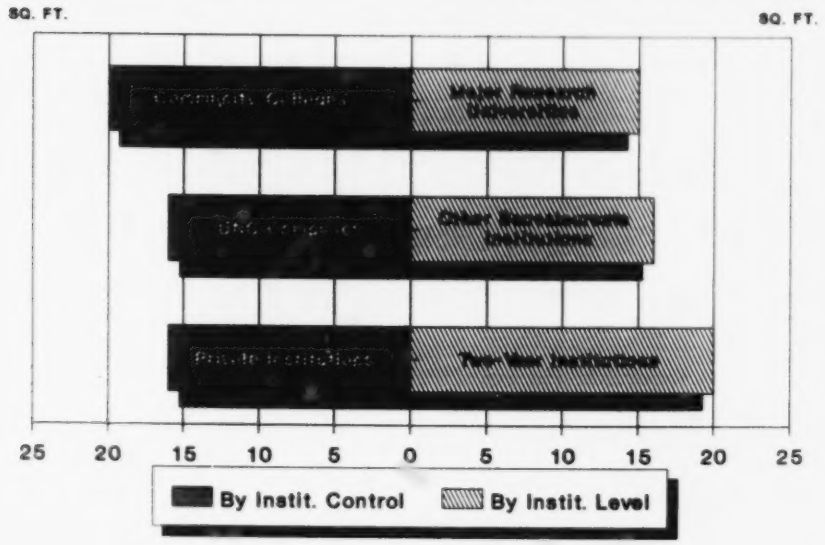
Assignable Square Feet Per Station Criteria

Number of Stations	ASF for Tables and Chairs	ASF for Armchair Desks Small	ASF for Armchair Desks Large
10 - 19	20 - 30	18	22
20 - 29	20 - 30	16	20
30 - 39	20 - 25	15	18
40 - 59	18 - 22	14	16
60 - 99	18 - 22	13	15
100 - 149	16 - 20	11	14
150 - 299	16 - 20	10	14
300 +	16 - 18	9	12

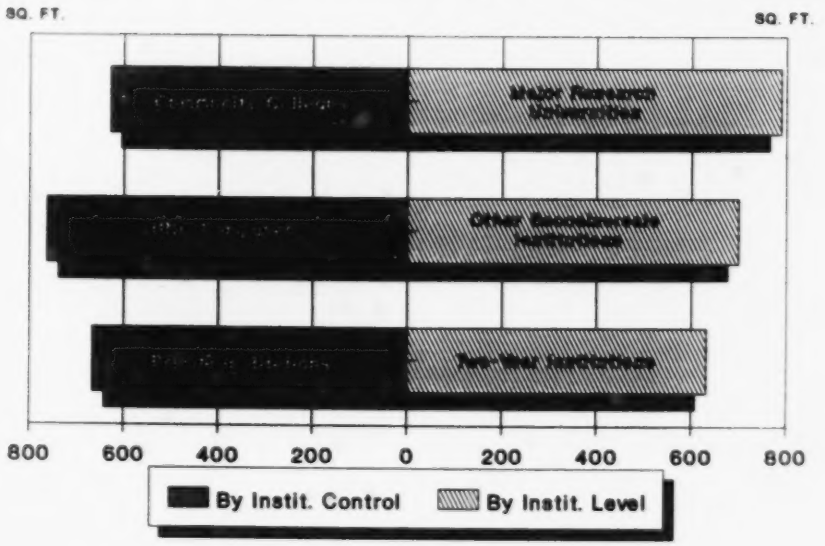
The average number of stations per classroom tends to vary according to the size and instructional philosophy of the institution. Graduate institutions and institutions which rely heavily on large lecture courses will generally have large numbers of stations per classroom.

CLASSROOMS

AVERAGE SQUARE FEET PER STUDENT STATION



AVERAGE ROOM SIZE



Assignable Square Feet Per Student Station For Classrooms

Table 16

INSTITUTION	No. of Rooms	No. of Student Stations	Average Stu/Sta Per Room	Total Assign. Sq. Ft.	Sq. Ft. Per Student Station				
					1989	1988	1987	1986	1985
Major Research Universities:									
NC State	248	13,844	56	199,233	14	14	14	14	14
NC State Vet.	6	436	73	7,318	17	17	17	17	17
UNC-Chapel Hill	247	13,734	56	206,837	15	15	15	15	15
UNC-Health Aff.	71	3,517	50	50,133	14	15	14	14	15
SUBTOTAL	572	31,531	55	463,521	15	15	15	15	15
Other Doctoral Universities:									
UNC-Greensboro	141	7,025	50	116,793	17	17	17	17	17
Comprehensive Universities:									
Appalachian	161	7,168	45	127,049	18	18	19	19	19
East Carolina	237	11,151	47	188,393	17	16	17	17	17
ECU-Health Aff.	40	1,757	44	29,251	17	17	17	17	17
Fayetteville	60	2,332	39	38,580	17	16	17	17	17
NC A & T	172	7,119	41	113,825	16	16	16	16	16
NC Central	144	6,098	42	100,458	16	16	17	17	17
UNC-Charlotte	105	6,257	60	81,612	13	13	13	14	14
UNC-Wilmington	82	4,190	51	62,911	15	15	14	14	14
West'n Carolina	112	4,815	43	88,555	18	18	19	19	18
SUBTOTAL	1,113	50,887	46	830,634	16	16	17	16	16
Gen. Baccalaureate Universities:									
Elizabeth City	47	1,986	42	31,642	16	16	16	15	15
Pembroke	67	2,753	41	44,991	16	16	16	16	16
UNC-Asheville	44	1,973	45	30,570	15	16	15	17	17
Winston-Salem	77	3,600	47	58,990	16	16	16	16	16
SUBTOTAL	235	10,312	44	166,193	16	16	16	16	16

Assignable Square Feet Per Student Station For Classrooms

Table 16

INSTITUTION	No. of Rooms	No. of Student Stations	Average Stu/Sta Per Room	Total Assign. Sq. Ft.	Sq. Ft. Per Student Station				
					1989	1988	1987	1986	1985
Specialized Institution:									
NC Sch. of Arts	26	729	28	14,747	20	20	19	19	21
Teaching Hospitals:									
UNC Hosp. at C.H.	-	-	-	-	-	-	-	-	-
Community Colleges:									
SUBTOTAL	2,338	73,847	32	1,471,602	20	20	20	20	19
PRIVATE INSTITUTIONS									
Major Research Universities:									
SUBTOTAL	316	15,841	50	237,387	15	15	15	15	15
Gen. Baccalaureate Colleges:									
SUBTOTAL	1,121	44,073	39	717,418	16	16	16	16	16
Junior Colleges:									
SUBTOTAL	135	5,110	38	91,820	18	18	18	18	18
GRAND TOTAL	5,997	239,355	40	4,110,115	17	17	17	17	17

Assignable Square Feet Per Student Station For Classrooms

Table 16

INSTITUTION	No. of Rooms	No. of Student Stations	Average Stu/Sta Per Room	Total Assign. Sq. Ft.	Sq. Ft. Per Student Station				
					1989	1988	1987	1986	1985
Community Colleges:									
Alamance CC	40	1,620	41	27,041	17	16	16	16	16
Anson CC	13	270	21	6,287	23	23	21	23	25
Ashev'le-Bun. TCC	80	2,416	30	53,161	22	22	21	21	21
Beaufort Co. CC	27	820	30	15,947	19	20	20	20	21
Bladen CC	19	423	22	9,214	22	20	22	22	22
Blue Ridge CC	31	847	27	18,949	22	22	20	20	19
Brunswick CC	31	772	25	18,457	24	25	26	25	25
Caldwell CC & TI	34	965	28	21,480	22	22	22	21	21
Cape Fear CC	28	693	25	18,334	26	26	27	28	28
Carteret CC	29	778	27	13,815	18	18	18	19	19
Catawba Vy. CC	59	1,712	29	37,779	22	23	23	23	23
C. Carolina CC	35	1,035	30	23,020	22	22	22	20	21
C. Piedmont CC	150	5,123	34	88,145	17	16	16	16	15
Cleveland CC	38	1,205	32	22,111	18	19	19	19	19
Coastal Car. CC	42	1,230	29	25,100	20	20	21	21	20
Col. Albemarle	32	1,064	33	16,938	16	15	15	16	15
Craven CC	35	1,072	31	18,687	17	17	17	17	17
Davidson Co. CC	42	1,582	38	27,247	17	17	17	17	17
Durham TCC	51	1,630	32	32,727	20	20	18	19	19
Edgecombe CC	41	1,000	24	19,951	20	21	21	23	22
Fayettev'le TCC	75	2,997	40	54,130	18	19	18	18	18
Forsyth TCC	88	2,769	31	60,751	22	22	22	22	22
Gaston Col.	62	2,379	38	43,965	18	19	19	18	18
Guilford TCC	124	4,109	33	81,165	20	20	19	19	19
Halifax CC	24	720	30	13,989	19	22	22	22	20
Haywood CC	24	678	28	12,710	19	19	19	17	20
Isothermal CC	45	1,362	30	27,307	20	20	20	20	20
J. Sprunt CC	30	694	23	14,627	21	21	19	19	19
Johnston CC	32	1,100	34	19,157	17	16	16	19	20
Lenoir CC	58	1,676	29	33,205	20	19	19	19	19

Assignable Square Feet Per Student Station For Classrooms

Table 16

INSTITUTION	No. of Rooms	No. of Student Stations	Average Stu/Sta Per Room	Total Assign. Sq. Ft.	Sq. Ft. Per Student Station				
					1989	1988	1987	1986	1985
Community Colleges:									
Martin CC	20	639	32	13,703	21	25	25	23	23
Mayland CC	15	418	28	9,059	22	21	19	19	19
McDowell TCC	24	673	28	14,835	22	24	24	23	23
Mitchell CC	48	1,593	33	31,112	20	21	21	20	20
Montgomery CC	12	241	20	5,995	25	28	28	30	27
Nash CC	37	1,302	35	27,976	21	23	22	22	22
Pamlico CC	9	190	21	4,363	23	23	23	23	23
Piedmont CC	26	502	19	12,502	25	26	24	22	22
Pitt CC	33	1,165	35	20,940	18	19	18	19	19
Randolph CC	37	870	24	24,128	28	28	30	30	25
Richmond CC	35	892	25	17,494	20	20	20	20	20
Roanoke-Cho. CC	26	715	28	14,896	21	22	22	23	23
Robeson CC	34	1,021	30	23,541	23	23	23	22	22
Rockingham CC	44	1,618	37	33,491	21	21	18	19	19
Rowan-Cab. CC	46	1,763	38	31,473	18	18	18	18	18
Sampson CC	22	660	30	12,043	18	19	18	17	17
Sandhills CC	42	1,574	37	28,980	18	19	19	18	18
Southeastern CC	36	1,204	33	21,963	18	18	18	18	18
Southwestern CC	37	1,137	31	25,302	22	23	19	18	18
Stanly CC	26	902	35	16,441	18	18	18	21	22
Surry CC	30	943	31	21,698	23	24	24	23	23
Tri-County CC	25	789	32	17,598	22	25	25	24	24
Vance-Granv. CC	32	1,029	32	21,239	21	21	18	18	18
Wake TCC	76	2,479	33	50,409	20	20	18	18	18
Wayne CC	58	1,890	33	35,239	19	18	17	17	17
W. Piedmont CC	29	960	33	21,102	22	21	21	21	21
Wilkes CC	36	1,243	35	23,352	19	20	20	20	20
Wilson Co. TC	24	694	29	15,332	22	22	23	25	20
TOTAL	2,338	73,847	32	1,471,602	20	20	20	20	19

TABLE 17:
ASSIGNABLE SQUARE FEET PER STUDENT STATION FOR CLASS LABORATORIES

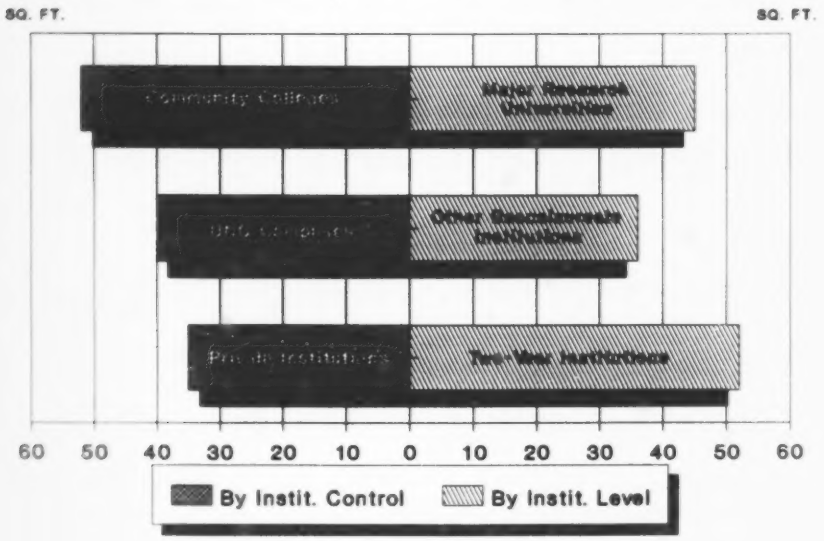
The square footage per student station in class laboratories varies to a greater extent than in classrooms because of the widely differing space requirements of the various kinds of laboratories. An automotive lab, for example, usually requires much more space per station than a chemistry lab. In general, institutions which offer academic programs in such areas as agriculture, engineering, or medicine, or in vocational/technical programs such as automotive mechanics, textiles, and welding require more class lab space per station than do institutions which focus on liberal arts, business, and education. Moreover, graduate level laboratories usually require more space per station than undergraduate labs.

The Higher Education Facilities Planning and Management Manuals (pages 127-133 of Manual Two) provide ranges for various types of class laboratories. Data for selected labs are provided below:

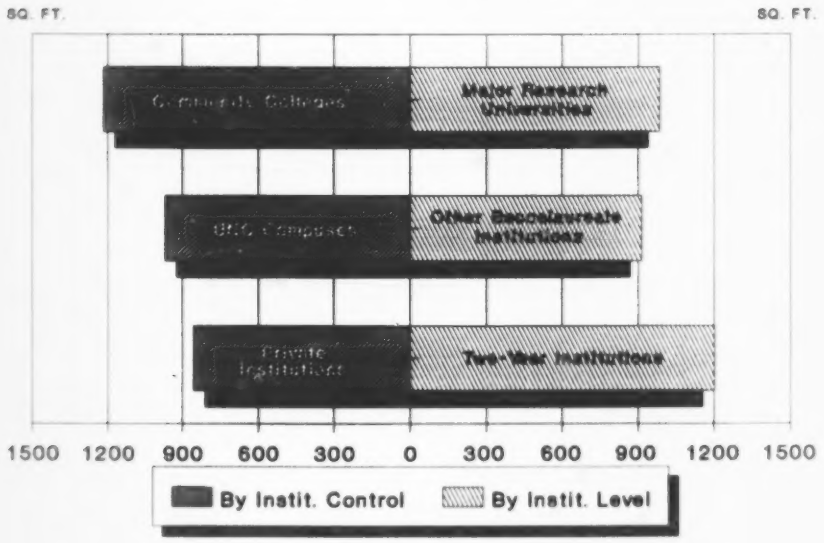
Discipline	Level	ASF	Discipline	ASF
Soil Science	Upper	40-50	Business Tech	25-40
Architecture	Upper	50-60	Data Proc Tech	50-80
Biology	Lower	30-40	Health Svc Tech	25-50
Business	All	20-30	Drafting	50-60
Education	All	25-35	Automotive	100-150
Fine Arts	All	30-50	Welding	80-120
Letters	All	15-25	Natural Sc Tech	35-60
Mathematics	All	20-30	Public Svc Tech	25-35

CLASS LABORATORIES

AVERAGE SQUARE FEET PER STUDENT STATION



AVERAGE ROOM SIZE



Assignable Square Feet Per Student Station For Class Laboratories

Table 17

INSTITUTION	No. of Rooms	No. of Student Stations	Average Stu/Sta Per Room	Total Assign. Sq. Ft.	Sq. Ft. Per Student Station				
					1989	1988	1987	1986	1985
Major Research Universities:									
NC State	230	5,089	22	274,708	54	55	55	57	58
NC State Vet.	5	214	43	13,109	61	61	82	82	82
UNC-Chapel Hill	92	2,772	30	91,082	33	38	38	38	40
UNC-Health Aff.	111	1,872	17	85,096	45	45	45	45	45
SUBTOTAL	438	9,947	23	463,995	47	49	50	51	51
Other Doctoral Universities:									
UNC-Greensboro	77	2,069	27	78,615	38	36	38	38	39
Comprehensive Universities:									
Appalachian	86	2,201	26	89,587	41	40	32	32	32
East Carolina	147	3,235	22	136,056	42	42	43	44	43
ECU-Health Aff.	165	2,405	15	94,741	39	39	39	39	39
Fayetteville	35	1,206	34	32,328	27	27	26	26	26
NC A & T	143	4,051	28	123,063	30	34	34	32	31
NC Central	52	1,297	25	46,259	36	36	36	36	36
UNC-Charlotte	81	2,579	32	94,888	37	37	39	41	40
UNC-Wilmington	33	873	26	29,742	34	34	35	34	36
West'n Carolina	53	1,458	28	59,017	40	38	39	40	40
SUBTOTAL	795	19,305	24	705,681	37	37	37	37	36
Gen. Baccalaureate Universities:									
Elizabeth City	26	800	31	31,193	39	39	42	42	42
Pembroke	22	574	26	15,591	27	26	27	27	27
UNC-Asheville	43	1,020	24	34,758	34	35	32	42	42
Winston-Salem	25	675	27	20,128	30	29	29	29	32
SUBTOTAL	116	3,069	26	101,670	33	33	33	35	35

Assignable Square Feet Per Student Station For Class Laboratories

Table 17

INSTITUTION	No. of Rooms	No. of Student Stations	Average Stu/Sta Per Room	Total Assign. Sq. Ft.	Sq. Ft. Per Student Station				
					1989	1988	1987	1986	1985
Specialized Institution:									
NC Sch. of Arts	50	1,138	23	80,907	71	64	64	66	57
Teaching Hospitals:									
UNC Hosp. at C.H.	-	-	-	-	-	-	-	-	-
Community Colleges:									
SUBTOTAL	2,037	47,214	23	2,474,839	52	52	52	52	53
PRIVATE INSTITUTIONS									
Major Research Universities:									
SUBTOTAL	156	3,015	19	120,970	40	45	41	43	44
Gen. Baccalaureate Colleges:									
SUBTOTAL	497	12,903	26	436,858	34	34	33	33	33
Junior Colleges:									
SUBTOTAL	88	2,054	23	77,389	38	36	34	35	35
GRAND TOTAL	4,254	100,714	24	4,540,924	45	45	45	45	45

Assignable Square Feet Per Student Station For Class Laboratories

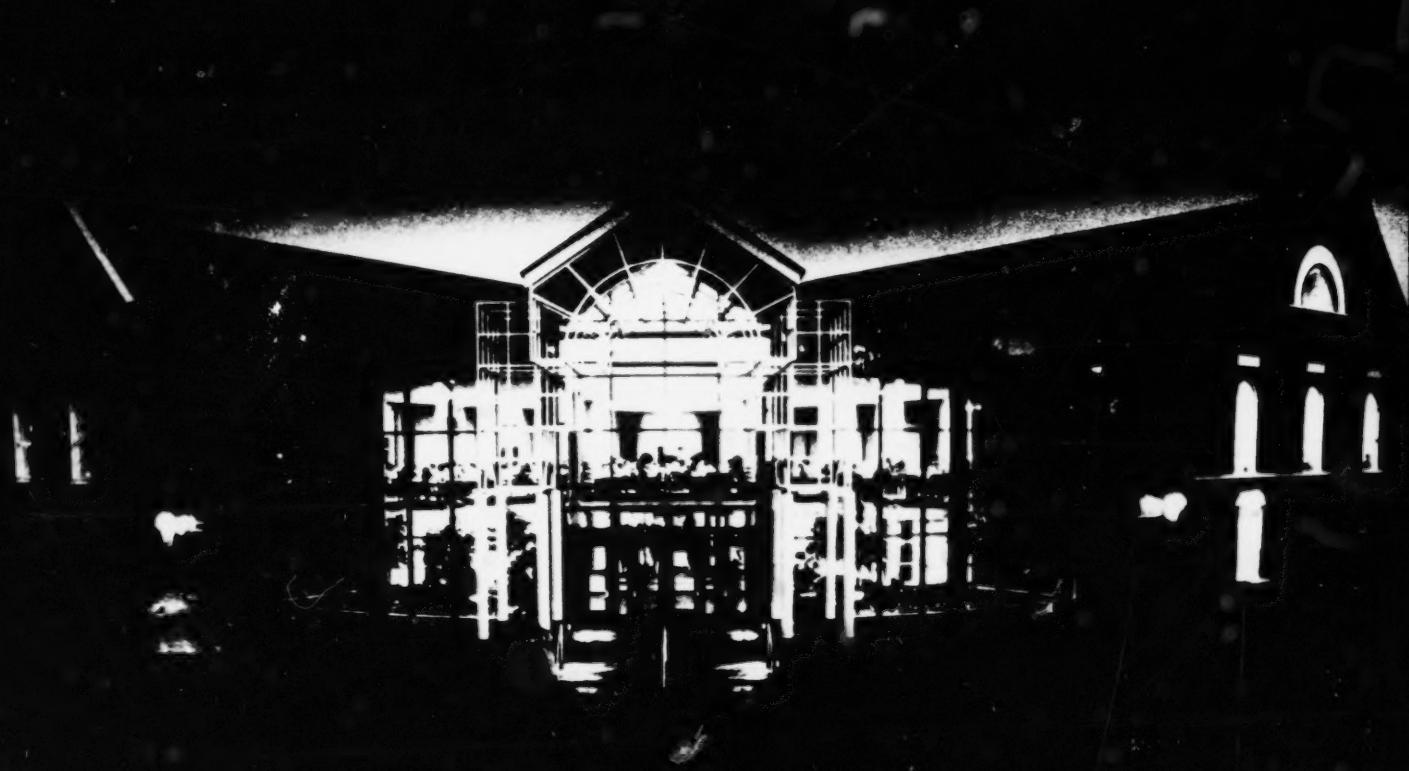
Table 17

INSTITUTION	No. of Rooms	No. of Student Stations	Average Stu/Sta Per Room	Total Assign. Sq. Ft.	Sq. Ft. Per Student Station				
					1989	1988	1987	1986	1985
Community Colleges:									
Alamance CC	40	1,060	27	43,394	41	41	41	41	45
Anson CC	18	351	20	17,230	49	49	49	55	56
Ashev'le-Bun. TCC	44	971	22	57,628	59	62	61	65	66
Beaufort Co. CC	28	617	22	34,857	56	56	55	57	63
Bladen CC	25	494	20	32,078	65	62	61	61	65
Blue Ridge CC	23	578	25	44,155	76	76	80	78	79
Brunswick CC	15	295	20	18,860	64	53	57	57	58
Caldwell CC & TI	41	726	18	54,122	75	64	64	61	61
Cape Fear CC	39	826	21	52,639	64	67	67	68	69
Carteret CC	29	674	23	31,913	47	47	47	54	52
Catawba Vy. CC	47	1,127	24	66,129	59	59	62	58	58
C. Carolina CC	43	916	21	49,014	54	54	55	52	53
C. Piedmont CC	104	2,848	27	126,927	45	44	44	43	45
Cleveland CC	42	940	22	39,360	42	41	42	42	42
Coastal Car. CC	40	922	23	54,335	59	60	61	61	62
Col. Albemarle	31	770	25	35,383	46	46	46	46	46
Craven CC	28	718	26	27,165	38	38	38	38	38
Davidson Co. CC	34	795	23	38,150	48	47	46	47	48
Durham TCC	43	992	23	52,534	53	56	55	55	55
Edgecombe CC	37	724	20	31,553	44	42	42	57	56
Fayettev'le TCC	52	1,264	24	59,035	47	47	47	47	47
Forsyth TCC	61	1,423	23	94,191	66	60	61	61	61
Gaston Col.	50	1,235	25	61,376	50	50	50	50	56
Guilford TCC	97	2,211	23	125,574	57	59	56	58	57
Halifax CC	20	501	25	24,998	50	50	48	48	44
Haywood CC	60	1,295	22	70,622	55	55	55	53	55
Isothermal CC	37	781	21	39,908	51	51	51	51	50
J. Sprunt CC	23	482	21	32,434	67	68	69	69	69
Johnston CC	34	818	24	40,146	49	49	49	48	48
Lenoir CC	40	885	22	33,514	38	39	39	40	41

Assignable Square Feet Per Student Station For Class Laboratories

Table 17

INSTITUTION	No. of Rooms	No. of Student Stations	Average Stu/Sta Per Room	Total Assign. Sq. Ft.	Sq. Ft. Per Student Station				
					1989	1988	1987	1986	1985
Community Colleges:									
Martin CC	25	644	26	42,007	65	70	70	68	58
Mayland CC	9	215	24	12,041	56	61	46	46	43
McDowell TCC	24	566	24	29,001	51	55	55	42	42
Mitchell CC	31	815	26	42,106	52	49	49	45	45
Montgomery CC	23	348	15	22,071	63	64	64	66	56
Nash CC	32	552	17	36,130	65	67	64	59	59
Pamlico CC	8	121	15	9,871	82	82	82	82	82
Piedmont CC	19	430	23	20,396	47	49	51	52	52
Pitt CC	32	773	24	41,636	54	54	54	49	49
Randolph CC	34	728	21	50,142	69	68	69	69	70
Richmond CC	26	494	19	35,556	72	71	69	68	67
Roanoke-Cho. CC	19	458	24	21,492	47	49	47	48	48
Robeson CC	34	1,002	29	40,159	40	44	49	51	51
Rockingham CC	39	919	24	51,439	56	57	62	61	63
Rowan-Cab. CC	35	889	25	42,208	47	47	48	48	49
Sampson CC	21	550	26	26,670	48	49	48	49	49
Sandhills CC	39	1,020	26	44,786	44	44	43	43	42
Southeastern CC	31	791	26	34,668	44	43	43	43	43
Southwestern CC	39	869	22	32,998	38	37	38	38	38
Stanly CC	22	633	29	25,028	40	38	41	40	35
Surry CC	29	703	24	34,581	49	49	50	48	47
Tri-County CC	22	395	18	31,091	79	74	73	82	82
Vance-Granv. CC	32	819	26	37,769	46	46	44	44	42
Wake TCC	48	894	19	56,528	63	60	59	58	59
Wayne CC	54	1,336	25	58,059	43	45	45	46	46
W. Piedmont CC	25	583	23	28,433	49	49	49	49	45
Wilkes CC	28	702	25	35,649	51	53	52	54	53
Wilson Co. TC	32	726	23	43,100	59	56	59	60	62
TOTAL	2,037	47,214	23	2,474,839	52	52	52	52	53



Renovated Dining Hall, University of North Carolina at Greensboro

In a period when increasing nationwide attention is being directed to serious facilities renovation needs on our campuses, UNC-Greensboro has combined both aesthetics and functionality in the two-year, $7.1 million restoration of the campus Dining Hall. The result is a modern, attractive dining facility of 100,000 square feet with strong elements of Georgian architecture. The institution's facilities authorities have estimated that a totally new structure of similar size and quality would have incurred twice the cost.

The original part of the building, which dates back to 1904, received four wing additions over the next 35 years which extended, like spokes in a wheel, from a central hub serving area. Restoration work included filling in the spaces between the old halls to create new dining areas, resulting in a completely new exterior and interior appearance. The main entrance, which features a contemporary glassed atrium enhanced by a picturesque overhead trellis, leads to an attractive, concave interior area which provides a unifying design for the entire structure.

Building Characteristics

Ownership of Buildings 139
Capital Investment in Buildings 142
Age of Buildings 152
Condition of Buildings 156
Estimated Cost to Renovate or Replace
Unsatisfactory Facilities 161

TABLE 18
OWNERSHIP OF BUILDINGS

Many campus buildings are not owned by the institutions which use them. This table provides data on the ownership status of institutional facilities. The gross square footage of each institution has been classified under eight ownership categories:

1 Owned in fee simple.

2 Title vested in the institution and being paid for on an amortization schedule.

3 Title vested in holding company or building corporation to which payments are being made by the institution and which will ultimately convey title to the institution. (Includes lease-purchase arrangement.)

4 Not owned by the institution, but leased or rented to the institution at a typical local rate.

5 Not owned by the institution, but made available to the institution either at no cost or at a nominal rate.

6 Not owned by the institution, but shared with an educational organization that is not a postsecondary institution.

7 Not owned by the institution, but shared with another postsecondary educational institution.

8 Other (e.g., not owned by the institution, but shared with a non-educational institution).

Ownership for institutions of the University of North Carolina represents ownership by the State of North Carolina. Ownership of community and technical colleges represents ownership by local trustees and reflects expenditures primarily from local fund sources which are supplemented by state and federal funds. Ownership of the private institutions resides with the institution's trustees.

The sums of the percentages for each institution should in theory add to exactly 100.0, but in some cases they do not because of rounding.

Ownership of Buildings

Table 18

INSTITUTION	Owned Gross Sq. Ft. 1	%	Institution Amortization Gross Sq. Ft. 2	%	Holding Co. Amortization Gross Sq. Ft. 3	%	Leased or Rented Gross Sq. Ft. 4	%	Nominal Rate Gross Sq. Ft. 5	%	* Total Gross Sq. Ft.
Major Research Universities:											
NC State	4,739,500	70.1	2,023,706	29.9	-	-	-	-	-	-	6,763,206
NC State Vet.	372,607	100.0	-	-	-	-	-	-	-	-	372,607
UNC-Chapel Hill	6,807,364	98.8	-	-	-	-	17,514	0.3	63,702	0.9	6,889,831
UNC-Health Aff.	1,847,940	70.7	522,938	20.0	101,246	3.9	114,955	4.4	-	-	2,613,579
SUBTOTAL	13,767,411	82.7	2,546,644	15.3	101,246	0.6	132,469	0.8	63,702	0.4	16,639,223
Other Doctoral Universities:											
UNC-Greensboro	2,809,248	99.7	-	-	-	-	8,751	0.3	-	-	2,817,999
Comprehensive Universities:											
Appalachian	1,597,894	58.0	1,135,196	41.2	-	-	9,000	0.3	14,400	0.5	2,756,490
East Carolina	2,237,539	75.0	746,469	25.0	-	-	-	-	-	-	2,984,008
ECU-Health Aff.	616,570	100.0	-	-	-	-	-	-	-	-	616,570
Fayetteville	757,808	90.1	83,610	9.9	-	-	-	-	-	-	841,418
NC A & T	2,064,422	100.0	-	-	-	-	-	-	-	-	2,064,422
NC Central	1,551,131	100.0	-	-	-	-	-	-	-	-	1,551,131
UNC-Charlotte	1,342,212	58.6	946,712	41.4	-	-	-	-	-	-	2,288,924
UNC-Wilmington	922,027	68.0	434,271	32.0	-	-	-	-	-	-	1,356,298
West'n Carolina	1,564,536	68.6	714,713	31.4	-	-	-	-	-	-	2,279,249
SUBTOTAL	12,654,139	75.6	4,060,971	24.3	-	-	9,000	0.1	14,400	0.1	16,738,510
Gen. Baccalaureate Universities:											
Elizabeth City	596,686	81.5	135,876	18.5	-	-	-	-	-	-	732,562
Pembroke	682,626	100.0	-	-	-	-	-	-	-	-	682,626
UNC-Asheville	477,315	75.8	152,000	24.2	-	-	-	-	-	-	629,315
Winston-Salem	726,452	85.1	127,536	14.9	-	-	-	-	-	-	853,988
SUBTOTAL	2,483,079	85.7	415,412	14.3	-	-	-	-	-	-	2,898,491
Specialized Institution:											
NC Sch. of Arts	472,976	78.5	102,782	17.1	-	-	-	-	26,399	4.4	602,157
Teaching Hospitals:											
UNC Hosp. at C. Hill	1,153,266	93.4	-	-	-	-	74,292	6.0	-	-	1,234,279
Community Colleges:											
SUBTOTAL	11,839,872	95.8	756	<0.1	19,665	0.2	247,879	2.0	191,120	1.5	12,353,225
PRIVATE INSTITUTIONS											
Major Research Universities:											
SUBTOTAL	12,595,015	98.8	136,029	1.1	-	-	12,939	0.1	-	-	12,743,983
Gen. Baccalaureate Colleges:											
SUBTOTAL	13,722,641	88.1	1,574,584	10.1	123,093	0.8	77,906	0.5	85,507	0.5	15,583,731
Junior Colleges:											
SUBTOTAL	1,505,747	80.7	311,005	16.7	48,038	2.6	-	-	-	-	1,864,790
GRAND TOTAL	73,003,394	87.5	9,148,183	11.0	292,042	0.3	563,236	0.7	381,128	0.5	83,476,388

Three categories of ownership are omitted from the table because of their limited applicability. The data are included in appropriate totals. Details on next. page.

Ownership of Buildings

Table 18

INSTITUTION	Owned Gross Sq. Ft. 1	%	Institution Amortization Gross Sq. Ft. 2	%	Holding Co. Amortization Gross Sq. Ft. 3	%	Leased or Rented Gross Sq. Ft. 4	%	Nominal Rate Gross Sq. Ft. 5	%	* Total Gross Sq. Ft.
Community Colleges:											
Alamance CC	199,271	100.0	-	-	-	-	-	-	-	-	199,271
Anson CC	29,950	43.1	-	-	-	-	-	-	39,510	56.9	69,460
Asheville-Bun. TCC	387,310	100.0	-	-	-	-	-	-	-	-	387,310
Beaufort Co. CC	128,848	100.0	-	-	-	-	-	-	-	-	128,848
Bladen CC	103,372	100.0	-	-	-	-	-	-	-	-	103,372
Blue Ridge CC	163,140	100.0	-	-	-	-	-	-	-	-	163,140
Brunswick CC	145,007	99.3	-	-	-	-	-	-	950	0.7	145,957
Caldwell CC & TI	197,180	100.0	-	-	-	-	-	-	-	-	197,180
Cape Fear CC	183,549	90.0	-	-	-	-	-	-	20,328	10.0	203,877
Carteret CC	156,511	98.1	-	-	-	-	-	-	2,967	1.9	159,478
Catawba Vy. CC	270,263	98.3	-	-	-	-	-	-	4,600	1.7	274,863
C. Carolina CC	168,544	100.0	-	-	-	-	-	-	-	-	168,544
C. Piedmont CC	1,219,069	95.9	-	-	9,312	0.7	42,711	3.4	-	-	1,271,092
Cleveland CC	188,334	100.0	-	-	-	-	-	-	-	-	188,334
Coastal Car. CC	214,716	100.0	-	-	-	-	-	-	-	-	214,716
Col. Albemarle	121,780	85.5	-	-	-	-	2,100	1.5	18,480	13.0	142,360
Craven CC	105,923	83.4	-	-	-	-	21,135	16.6	-	-	127,058
Davidson Co. CC	211,332	100.0	-	-	-	-	-	-	-	-	211,332
Durham TCC	208,782	92.7	-	-	-	-	16,530	7.3	-	-	225,312
Edgecombe CC	142,038	98.1	756	0.5	-	-	-	-	2,064	1.4	144,858
Fayettev'le TCC	404,172	100.0	-	-	-	-	-	-	-	-	404,172
Forsyth TCC	366,566	88.5	-	-	-	-	-	-	-	-	414,051
Gaston Col.	287,894	100.0	-	-	-	-	-	-	-	-	287,894
Guilford TCC	485,641	83.0	-	-	-	-	99,400	17.0	-	-	585,041
Halifax CC	119,225	100.0	-	-	-	-	-	-	-	-	119,225
Haywood CC	210,307	89.6	-	-	-	-	-	-	24,474	10.4	234,781
Isothermal CC	209,625	97.0	-	-	-	-	-	-	-	-	216,073
J. Sprunt CC	113,361	96.4	-	-	-	-	-	-	4,240	3.6	117,601
Johnston CC	175,073	93.7	-	-	-	-	-	-	11,825	6.3	186,898
Lenoir CC	215,038	96.0	-	-	-	-	-	-	9,024	4.0	224,062
Martin CC	150,545	99.5	-	-	720	0.5	-	-	-	-	151,265
Mayland CC	81,441	99.1	-	-	-	-	-	-	720	0.9	82,161
McDowell TCC	92,006	96.0	-	-	-	-	3,875	4.0	-	-	95,881
Mitchell CC	250,997	100.0	-	-	-	-	-	-	-	-	250,997
Montgomery CC	69,786	100.0	-	-	-	-	-	-	-	-	69,786
Nash CC	177,684	100.0	-	-	-	-	-	-	-	-	177,684
Pamlico CC	40,198	100.0	-	-	-	-	-	-	-	-	40,198
Piedmont CC	117,486	100.0	-	-	-	-	-	-	-	-	117,486
Pitt CC	160,340	90.3	-	-	-	-	17,214	9.7	-	-	177,554
Randolph CC	165,783	91.7	-	-	-	-	15,094	8.3	-	-	180,877
Richmond CC	156,639	98.3	-	-	-	-	-	-	2,680	1.7	159,319
Roanoke-Cho. CC	109,542	91.9	-	-	9,633	8.1	-	-	-	-	119,175
Robeson CC	183,243	100.0	-	-	-	-	-	-	-	-	183,243
Rockingham CC	268,569	100.0	-	-	-	-	-	-	-	-	268,569
Rowan-Cab. CC	179,450	93.7	-	-	-	-	-	-	12,132	6.3	191,582
Sampson CC	117,646	100.0	-	-	-	-	-	-	-	-	117,646
Sandhills CC	272,915	99.5	-	-	-	-	-	-	1,280	0.5	274,195
Southeastern CC	161,785	98.2	-	-	-	-	3,040	1.8	-	-	164,825
Southwestern CC	190,448	100.0	-	-	-	-	-	-	-	-	190,448
Stanly CC	82,484	82.2	-	-	-	-	14,131	14.1	3,696	3.7	100,311
Surry CC	182,076	100.0	-	-	-	-	-	-	-	-	182,076
Tri-County CC	103,973	100.0	-	-	-	-	-	-	-	-	103,973
Vance-Granv. CC	191,516	100.0	-	-	-	-	-	-	-	-	191,516
Wake TCC	321,930	90.9	-	-	-	-	-	-	32,150	9.1	354,080
Wayne CC	295,834	96.1	-	-	-	-	12,049	3.9	-	-	307,883
W. Piedmont CC	195,113	100.0	-	-	-	-	-	-	-	-	195,113
Wilkes CC	222,882	99.7	-	-	-	-	600	0.3	-	-	223,482
Wilson Co. TC	165,740	100.0	-	-	-	-	-	-	-	-	165,740
TOTAL	11,839,872	95.8	756	<0.1	19,665	0.2	247,879	2.0	191,120	1.5	12,353,225

Category 6: None

Category 7: Forsyth Technical College 47,485 11.5% UNC Hosp. at C.H. 6,721 0.5%

Category 8: Isothermal Community College 6,448 3.0% UNC at Chapel Hill 1,251 <0.1% UNC-Health Affairs 26,500 1.0%

TABLES 19 & 20:
CAPITAL INVESTMENT IN BUILDINGS

Building cost, as used here, refers to the institution's initial capital investment in a building. For a facility which is built by the institution, the building cost is the cost of construction of the structure and its fixed equipment. For buildings which are purchased, the acquisition cost is applicable.

The replacement value of a building, on the other hand, represents the estimated cost of constructing a new facility containing an equal amount of space which is designed for the same use as the original building and which meets all of the current commonly-accepted standards of construction. For institutional buildings which were in existence prior to 1972, the replacement value was first estimated using 1972 construction cost data. Since then, it has been increased each year using factors obtained annually from construction cost publications. For buildings constructed since 1972, the building cost is the base upon which these replacement value factors are applied.

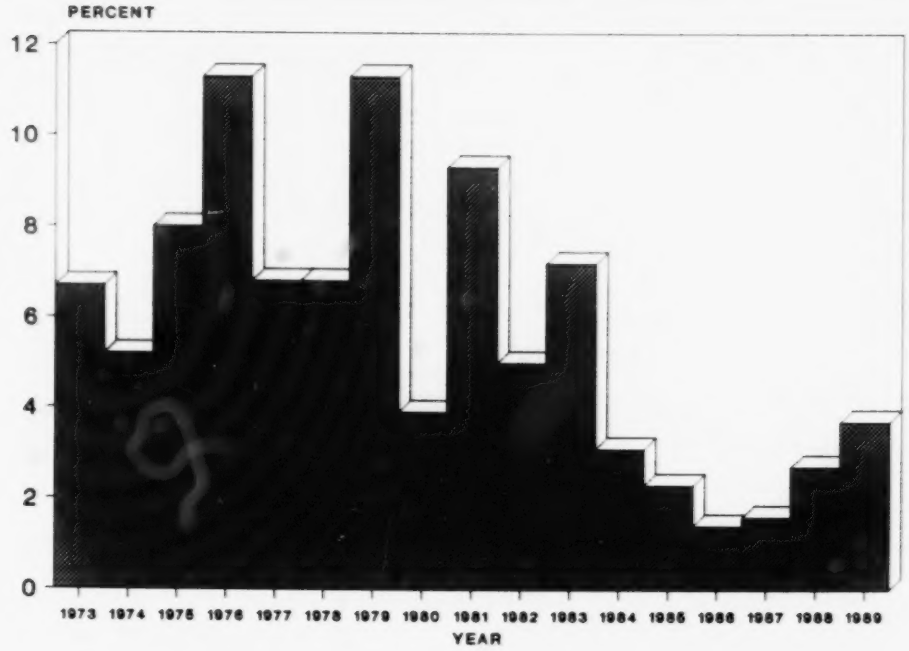
From 1972-83, the replacement value factors were derived from building cost data reported for the Atlanta region in the Engineering News Record. From 1984-1987, the Dodge Building Cost Indexes for U. S. and Canadian Cities, published by McGraw-Hill Cost Information Systems, was used to determine the replacement value factors. Since 1987, due to a lapse in the publishing of the Dodge publication, the R. S. Means Construction Cost Indexes report, which follows a calculation methodology similar to the Dodge report, has been used to construct this index. Factors calculated from the Means publication were derived by computing an average of the construction cost increases for Charlotte, Durham, Greensboro, Raleigh and Winston-Salem. The following table, reflecting a base of 100.0 for January, 1975, summarizes selected data for these cities:

City	Oct 1988	Oct 1989	Index Increase	% Change 1988-89
Charlotte	165.1	171.2	6.1	3.7
Durham	163.2	169.3	6.1	3.7
Greensboro	161.9	167.9	6.0	3.7
Raleigh	164.6	170.7	6.1	3.7
Winston-Salem	167.2	173.4	6.2	3.7

The following are the factors which have been used to increase the estimated replacement values each year. They reflect the increases in construction costs which have occurred since 1973. Relative increases over this period are portrayed in the graph.

Year	Annual Increase	Year	Annual Increase	Year	Annual Increase
1973	6.7%	1979	11.3%	1985	2.3%
1974	5.2%	1980	3.9%	1986	1.4%
1975	8.0%	1981	9.3%	1987	1.6%
1976	11.3%	1982	5.0%	1988	2.7%
1977	6.8%	1983	7.2%	1989	3.7%
1978	6.8%	1984	3.1%		

RELATIVE INCREASES IN CONSTRUCTION COSTS



Because building cost represents an institution's capital investment in a facility, only buildings which are owned by the institution (i.e., those falling under ownership categories 1-3 on page 139) are included in calculating total cost. Replacement value, on the other hand, is a reflection of all buildings on an institution's campus, regardless of their ownership status.

The data are categorized as non-residential (Table 19) and residential (Table 20). Buildings with twenty percent or more of their space in each category are considered combination buildings and appear in both tables. The tables accurately reflect the number of buildings with non-residential space and the number with residential space, but the sum will exceed the total number of buildings on the campuses which have combination buildings. Other data are distributed between the two tables on the basis of the ratio of the assignable square feet in the category to the total assignable square feet in the building. Thus, campus totals may be determined accurately by summing the appropriate data in the two tables, with the exception noted.

Table 19

Capital Investment, Non-Residential Buildings

INSTITUTION	No. of Bldgs.	Building Cost	Replacement Value	Gross Sq. Ft. On Campus
Major Research Universities:				
NC State	105	$ 119,788,839	$ 355,802,243	5,089,093
NC State Vet.	12	23,846,176	32,121,295	372,607
UNC-Chapel Hill	161	166,669,560	584,493,521	5,007,854
UNC-Health Aff.	99	90,484,371	336,108,758	2,613,579
SUBTOTAL	377	400,788,946	1,308,525,817	13,083,133
Other Doctoral Universities:				
UNC-Greensboro	49	54,705,090	135,375,081	1,951,727
Comprehensive Universities:				
Appalachian	55	56,657,265	138,282,718	1,818,598
East Carolina	66	56,224,413	135,717,278	1,952,112
ECU-Health Aff.	13	38,849,291	54,355,594	616,570
Fayetteville	38	22,253,571	44,725,848	591,964
NC A & T	87	44,434,085	108,203,219	1,526,741
NC Central	44	34,498,795	79,019,164	1,086,527
UNC-Charlotte	35	54,163,700	122,758,579	1,466,291
UNC-Wilmington	48	36,938,647	72,321,229	940,646
West'n Carolina	42	47,538,897	112,383,087	1,554,466
SUBTOTAL	428	391,558,664	867,766,716	11,553,915
Gen. Baccalaureate Universities:				
Elizabeth City	32	16,298,187	38,324,066	493,931
Pembroke	25	16,955,862	37,327,556	512,449
UNC-Asheville	14	16,935,680	30,672,192	440,893
Winston-Salem	21	20,165,447	45,805,191	638,961
SUBTOTAL	92	70,355,176	152,129,005	2,086,234

Table 19

Capital Investment, Non-Residential Buildings

INSTITUTION	No. of Bldgs.	Building Cost	Replacement Value	Gross Sq. Ft. On Campus
Specialized Institution:				
NC Sch. of Arts	15	$ 13,710,304	$ 39,951,084	462,533
Teaching Hospitals:				
UNC Hosp. at C.H.	27	61,713,245	137,550,645	1,234,279
Community Colleges:				
SUBTOTAL	794	387,036,663	793,906,334	12,344,208
		PRIVATE INSTITUTIONS		
Major Research Universities:				
SUBTOTAL	271	459,344,169	941,454,195	10,334,222
Gen. Baccalaureate Colleges:				
SUBTOTAL	668	222,546,124	685,860,434	9,531,431
Junior Colleges:				
SUBTOTAL	77	24,499,830	74,346,229	1,096,781
GRAND TOTAL	2,798	$2,086,258,211	$5,136,865,540	63,678,463

Table 19

Capital Investment, Non-Residential Buildings

INSTITUTION	No. of Bldgs.	Building Cost	Replacement Value	Gross Sq. Ft. On Campus
Community Colleges:				
Alamance CC	7	$ 9,328,312	$ 17,105,439	198,599
Anson CC	11	1,150,000	4,240,632	69,460
Ashev'le-Bun. TCC	18	11,673,323	25,419,682	387,310
Beaufort Co. CC	9	3,691,187	7,388,720	128,848
Bladen CC	16	2,797,818	6,376,886	103,372
Blue Ridge CC	12	6,274,436	10,368,772	163,140
Brunswick CC	11	6,759,818	8,872,424	145,957
Caldwell CC & TI	8	6,798,553	14,271,068	197,180
Cape Fear CC	6	4,951,014	15,873,329	203,877
Carteret CC	17	5,029,452	11,981,952	159,478
Catawba Vy. CC	16	8,560,568	19,142,455	274,863
C. Carolina CC	13	6,434,189	12,193,682	168,544
C. Piedmont CC	35	19,534,030	55,344,663	1,268,092
Cleveland CC	10	8,871,051	13,213,369	188,334
Coastal Car. CC	11	9,862,528	16,544,612	214,716
Col. Albemarle	9	4,120,940	8,769,526	142,360
Craven CC	9	3,316,684	8,237,594	127,058
Davidson Co. CC	10	5,949,765	14,041,395	211,332
Durham TCC	14	7,146,311	14,287,460	225,312
Edgecombe CC	10	4,155,300	9,246,855	144,858
Fayettev'le TCC	25	11,641,365	24,766,153	404,172
Forsyth TCC	17	10,784,952	29,417,518	414,051
Gaston Col.	12	8,933,618	20,192,593	287,894
Guilford TCC	26	14,735,720	41,639,952	585,041
Halifax CC	8	3,872,903	5,942,629	119,225
Haywood CC	31	6,764,429	13,413,331	234,781
Isothermal CC	15	7,379,512	13,387,858	216,073
J. Sprunt CC	12	3,096,076	7,108,658	117,601
Johnston CC	10	8,913,500	12,859,890	186,898
Lenoir CC	13	6,981,729	14,642,390	224,062

Table 19

Capital Investment, Non-Residential Buildings

INSTITUTION	No. of Bldgs.	Building Cost	Replacement Value	Gross Sq. Ft. On Campus
Community Colleges:				
Martin CC	10	2,807,675	7,636,143	151,265
Mayland CC	8	4,027,991	5,736,508	82,161
McDowell TCC	8	3,976,052	7,358,723	95,881
Mitchell CC	21	3,862,528	14,938,006	250,997
Montgomery CC	3	2,300,126	3,872,509	69,786
Nash CC	8	7,023,010	10,078,775	177,684
Pamlico CC	4	1,528,200	3,553,326	40,198
Piedmont CC	11	5,610,180	8,785,620	117,486
Pitt CC	28	4,580,860	11,468,728	177,554
Randolph CC	17	5,444,103	11,154,173	180,877
Richmond CC	10	4,984,574	10,856,296	159,319
Roanoke-Cho. CC	6	4,679,094	8,417,764	119,175
Robeson CC	15	8,954,000	12,922,472	183,243
Rockingham CC	12	9,037,674	18,141,683	268,569
Rowan-Cab. CC	11	3,622,700	12,297,741	191,582
Sampson CC	9	4,797,302	7,143,131	117,646
Sandhills CC	27	9,965,386	17,817,389	268,850
Southeastern CC	14	3,871,309	10,178,964	164,825
Southwestern CC	8	8,827,721	12,545,074	190,448
Stanly CC	10	3,346,302	6,636,098	100,311
Surry CC	11	5,436,344	11,520,564	182,076
Tri-County CC	15	3,925,673	7,034,026	103,973
Vance-Granv. CC	10	9,399,347	14,963,352	191,516
Wake TCC	20	11,164,207	21,037,783	354,080
Wayne CC	32	14,924,141	21,609,436	307,883
W. Piedmont CC	14	7,910,241	14,567,143	195,113
Wilkes CC	19	6,932,284	13,573,602	223,482
Wilson Co. TC	12	4,588,556	11,769,818	165,740
TOTAL	794	$387,036,663	$793,906,334	12,344,208

Table 20

Capital Investment, Residential Buildings

INSTITUTION	No. of Bldgs.	Building Cost	Replacement Value	Gross Sq. Ft. On Campus
Major Research Universities:				
NC State	34	$ 25,365,881	$ 106,428,677	1,674,113
NC State Vet.	-	-	-	-
UNC-Chapel Hill	40	26,686,940	175,661,906	1,881,977
UNC-Health Aff.	-	-	-	-
SUBTOTAL	74	52,052,821	282,090,583	3,556,090
Other Doctoral Universities:				
UNC-Greensboro	24	12,521,200	57,148,970	866,272
Comprehensive Universities:				
Appalachian	28	17,715,800	60,708,050	937,892
East Carolina	17	14,121,040	68,511,233	1,031,896
ECU-Health Aff.	-	-	-	-
Fayetteville	9	3,638,000	16,337,640	249,454
NC A & T	17	5,855,786	35,518,368	537,681
NC Central	13	5,215,280	30,433,770	464,604
UNC-Charlotte	10	24,329,223	51,591,887	822,633
UNC-Wilmington	28	18,003,882	28,858,407	415,652
West'n Carolina	18	11,238,450	45,282,563	724,783
SUBTOTAL	140	100,117,461	337,241,918	5,184,595
Gen. Baccalaureate Universities:				
Elizabeth City	25	3,944,204	15,202,787	238,631
Pembroke	7	2,633,000	11,128,769	170,177
UNC-Asheville	12	8,486,883	12,514,907	188,422
Winston-Salem	8	3,603,000	14,006,636	215,027
SUBTOTAL	52	18,667,087	52,853,099	812,257

Table 20

Capital Investment, Residential Buildings

INSTITUTION	No. of Bldgs.	Building Cost	Replacement Value	Gross Sq. Ft. On Campus
Specialized Institution:				
NC Sch. of Arts	15	$ 3,508,000	$ 8,994,070	139,624
Teaching Hospitals:				
UNC Hosp. at C.H.	-	-	-	-
Community Colleges:				
SUBTOTAL	3	112,500	668,185	9,017
		PRIVATE INSTITUTIONS		
Major Research Universities:				
SUBTOTAL	137	47,417,684	156,272,040	2,409,761
Gen. Baccalaureate Colleges:				
SUBTOTAL	635	106,115,387	395,489,597	6,052,300
Junior Colleges:				
SUBTOTAL	62	11,628,104	53,560,472	768,009
GRAND TOTAL	1,142	$352,140,244	$1,344,318,934	19,797,925

Table 20

Capital Investment, Residential Buildings

INSTITUTION	No. of Bldgs.	Building Cost	Replacement Value	Gross Sq. Ft. On Campus
Community Colleges:				
Alamance CC	1	$ 4,000	$ 9,306	672
Anson CC	-	-	-	-
Ashev'le-Bun. TCC	-	-	-	-
Beaufort Co. CC	-	-	-	-
Bladen CC	-	-	-	-
Blue Ridge CC	-	-	-	-
Brunswick CC	-	-	-	-
Caldwell CC & TI	-	-	-	-
Cape Fear CC	-	-	-	-
Carteret CC	-	-	-	-
Catawba Vy. CC	-	-	-	-
C. Carolina CC	-	-	-	-
C. Piedmont CC	1	56,500	189,357	3,000
Cleveland CC	-	-	-	-
Coastal Car. CC	-	-	-	-
Col. Albemarle	-	-	-	-
Craven CC	-	-	-	-
Davidson Co. CC	-	-	-	-
Durham TCC	-	-	-	-
Edgecombe CC	-	-	-	-
Fayettev'le TCC	-	-	-	-
Forsyth TCC	-	-	-	-
Gaston Col.	-	-	-	-
Guilford TCC	-	-	-	-
Halifax CC	-	-	-	-
Haywood CC	-	-	-	-
Isothermal CC	-	-	-	-
J. Sprunt CC	-	-	-	-
Johnston CC	-	-	-	-
Lenoir CC	-	-	-	-

Table 20

Capital Investment, Residential Buildings

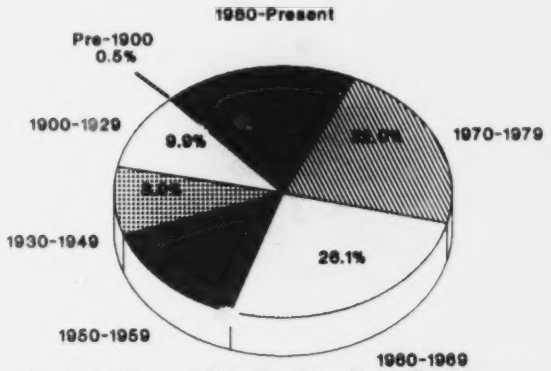
INSTITUTION	No. of Bldgs.	Building Cost	Replacement Value	Gross Sq. Ft. On Campus
Community Colleges:				
Martin CC	-	-	-	-
Mayland CC	-	-	-	-
McDowell TCC	-	-	-	-
Mitchell CC	-	-	-	-
Montgomery CC	-	-	-	-
Nash CC	-	-	-	-
Pamlico CC	-	-	-	-
Piedmont CC	-	-	-	-
Pitt CC	-	-	-	-
Randolph CC	-	-	-	-
Richmond CC	-	-	-	-
Roanoke-Cho. CC	-	-	-	-
Robeson CC	-	-	-	-
Rockingham CC	-	-	-	-
Rowan-Cab. CC	-	-	-	-
Sampson CC	-	-	-	-
Sandhills CC	1	52,000	469,522	5,345
Southeastern CC	-	-	-	-
Southwestern CC	-	-	-	-
Stanly CC	-	-	-	-
Surry CC	-	-	-	-
Tri-County CC	-	-	-	-
Vance-Granv. CC	-	-	-	-
Wake TCC	-	-	-	-
Wayne CC	-	-	-	-
W. Piedmont CC	-	-	-	-
Wilkes CC	-	-	-	-
Wilson Co. TC	-	-	-	-
TOTAL	3	$ 112,500	$ 668,185	9,017

TABLE 21:
AGE OF BUILDINGS

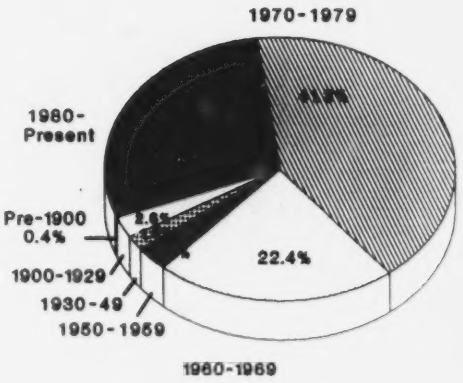
This table reports the total gross square footage of North Carolina colleges and universities by year of construction categories. For purposes of this study, the year of construction is defined as the year that the building was completed regardless of any later year of occupancy.

Although this table gives some indication of how new an institution's facilities are, it does not take into account renovations. The data in this table should, therefore, be considered in conjunction with Table 22 (Condition of Buildings) and Table 23 (Estimated Cost to Renovate or Replace Unsatisfactory Facilities).

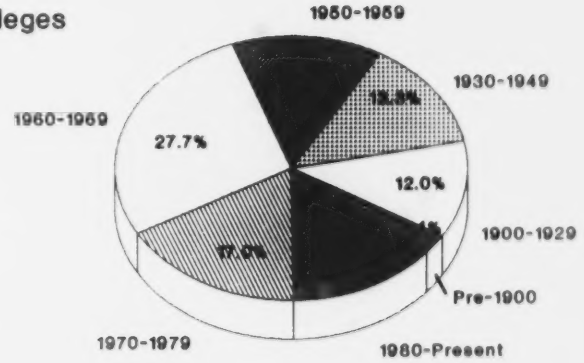
PERCENTAGE DISTRIBUTION OF GROSS AREA BY AGE OF BUILDINGS



University of North Carolina Campuses
and UNC Hospitals at Chapel Hill



Community Colleges



Private Institutions

Age of Buildings

Table 21

INSTITUTION	Total Gross Square Feet	Period of Construction: Pre-1900 Gross Sq. Ft.	1900-1929 Gross Sq. Ft.	1930-1949 Gross Sq. Ft.	1950-1959 Gross Sq. Ft.	1960-1969 Gross Sq. Ft.	1970-1979 Gross Sq. Ft.	1980-Present Gross Sq. Ft.
Major Research Universities:								
NC State	6,763,206	44,407	890,786	1,012,013	1,512,759	1,645,896	1,168,730	488,615
NC State Vet.	372,607	-	-	28,559	3,979	1,242	-	338,827
UNC-Chapel Hill	6,889,831	123,808	1,542,124	826,158	551,760	1,880,081	537,372	1,428,528
UNC-Health Aff.	2,613,579	-	-	144,926	278,218	577,141	1,476,701	136,593
SUBTOTAL	16,639,223	168,215	2,432,910	2,011,656	2,346,716	4,104,360	3,182,803	2,392,563
Other Doctoral Universities:								
UNC-Greensboro	2,817,999	31,100	629,681	236,688	425,091	482,899	656,524	356,016
Comprehensive Universities:								
Appalachian	2,756,490	-	78,716	206,903	380,942	1,111,800	669,857	308,272
East Carolina	2,984,008	-	319,602	167,504	500,212	1,188,376	555,339	252,975
ECU-Health Aff.	616,570	-	-	11,744	-	31,788	65,173	507,865
Fayetteville	841,418	-	26,913	130,703	70,410	218,938	193,214	201,240
NC A & T	2,064,422	-	99,089	155,758	793,935	335,089	301,161	379,390
NC Central	1,551,131	-	36,379	225,213	469,874	332,330	174,475	312,860
UNC-Charlotte	2,288,924	-	-	-	-	569,503	1,026,471	692,950
UNC-Wilmington	1,356,298	-	9,000	12,250	-	234,802	515,250	584,996
West'n Carolina	2,279,249	-	56,107	182,379	332,898	706,902	575,861	425,102
SUBTOTAL	16,738,510	-	625,806	1,092,454	2,548,271	4,729,528	4,076,801	3,665,650
Gen. Baccalaureate Universities:								
Elizabeth City	732,562	-	89,399	57,955	107,940	157,192	148,883	171,193
Pembroke	682,626	-	-	16,230	33,483	251,623	313,675	67,615
UNC-Asheville	629,315	-	6,029	-	-	299,360	95,850	228,076
Winston-Salem	853,988	-	97,672	80,460	59,750	258,213	277,422	80,471
SUBTOTAL	2,898,491	-	193,100	154,645	201,173	966,388	835,830	547,355
Specialized Institution:								
NC Sch. of Arts	602,157	-	166,636	91,714	26,382	149,021	113,629	54,775
Teaching Hospitals:								
UNC Hosp. at C.H.	1,234,279	-	-	49,470	389,251	244,238	142,217	409,103
Community Colleges:								
SUBTOTAL	12,353,225	52,368	321,212	223,360	367,171	2,761,457	5,107,301	3,520,356
PRIVATE INSTITUTIONS								
Major Research Universities:								
SUBTOTAL	12,743,983	35,728	1,410,371	2,184,427	1,839,695	1,983,326	2,910,243	2,380,193
Gen. Baccalaureate Colleges:								
SUBTOTAL	15,583,731	476,765	2,065,836	1,778,626	2,088,395	5,654,388	1,952,507	1,567,214
Junior Colleges:								
SUBTOTAL	1,864,790	213,989	147,471	53,701	253,315	711,590	282,195	202,529
GRAND TOTAL	83,476,388	978,165	7,993,023	7,876,741	10,485,460	21,787,195	19,260,050	15,095,754

Age of Buildings

Table 21

INSTITUTION	Total Gross Square Feet	Period of Construction: Pre-1900 Gross Sq. Ft.	1900-1929 Gross Sq. Ft.	1930-1949 Gross Sq. Ft.	1950-1959 Gross Sq. Ft.	1960-1969 Gross Sq. Ft.	1970-1979 Gross Sq. Ft.	1980-Present Gross Sq. Ft.
Community Colleges:								
Alamance CC	199,271	-	25,729	-	600	-	116,156	56,786
Anson CC	69,460	8,689	-	21,638	-	-	30,495	8,638
Asheville-Bun. TCC	387,310	9,981	-	10,411	21,142	101,523	77,589	166,664
Beaufort Co. CC	128,848	-	-	-	-	-	96,967	31,881
Bladen CC	103,372	-	-	-	7,170	-	69,822	26,380
Blue Ridge CC	163,140	-	-	-	-	-	90,815	72,325
Brunswick CC	145,957	-	-	13,813	-	22,989	950	108,205
Caldwell CC & TI	197,180	-	-	-	-	60,471	88,309	48,400
Cape Fear CC	203,877	-	-	-	-	45,540	152,849	5,488
Carteret CC	159,478	-	-	18,000	18,639	32,103	52,377	38,359
Catawba Vy. CC	274,863	-	-	1,650	4,600	74,471	120,835	73,307
C. Carolina CC	168,544	-	-	-	-	66,942	32,400	69,202
C. Piedmont CC	1,271,092	-	106,968	49,619	66,530	227,359	620,104	200,512
Cleveland CC	188,334	-	-	-	-	1,875	45,314	141,145
Coastal Car. CC	214,716	-	-	-	-	-	169,867	44,849
Col. Albemarle	142,360	-	-	5,268	-	-	52,969	84,123
Craven CC	127,058	-	-	-	-	3,669	83,385	40,004
Davidson Co. CC	211,332	-	-	-	-	85,340	99,766	26,226
Durham TCC	225,312	-	-	-	-	77,534	50,082	97,696
Edgecombe CC	144,858	-	37,209	-	-	-	65,649	42,000
Fayettev'le TCC	404,172	-	-	-	-	166,963	136,492	100,717
Forsyth TCC	414,051	-	-	-	78,490	174,698	63,131	97,732
Gaston Col.	287,894	-	-	-	-	153,100	103,831	30,963
Guilford TCC	585,041	1,931	46,620	28,850	84,325	129,760	187,143	106,412
Halifax CC	119,225	-	-	-	-	-	79,607	39,618
Haywood CC	234,781	-	-	17,354	-	30,072	145,164	42,191
Isothermal CC	216,073	-	6,448	-	-	57,962	119,876	31,787
J. Sprunt CC	117,601	-	-	3,040	-	24,245	76,630	13,686
Johnston CC	186,898	-	-	-	4,697	-	86,523	95,678
Lenoir CC	224,062	-	-	-	10,622	41,534	142,746	29,160
Martin CC	151,265	-	-	-	-	-	131,825	19,440
Mayland CC	82,161	-	-	-	-	-	36,571	45,590
McDowell TCC	95,881	-	-	-	3,875	30,104	35,658	26,244
Mitchell CC	250,997	31,767	86,106	24,717	-	32,819	75,588	-
Montgomery CC	69,786	-	-	-	-	-	64,090	5,696
Nash CC	177,684	-	-	-	-	-	72,759	104,925
Pamlico CC	40,198	-	-	-	-	-	40,198	-
Piedmont CC	117,486	-	-	-	-	-	88,429	29,057
Pitt CC	177,554	-	-	-	-	87,185	50,360	40,009
Randolph CC	180,877	-	-	-	-	44,387	76,333	60,157
Richmond CC	159,319	-	-	9,000	2,680	56,560	34,785	56,294
Roanoke-Cho. CC	119,175	-	-	-	-	9,633	51,624	57,918
Robeson CC	183,243	-	-	-	-	-	74,419	108,824
Rockingham CC	268,569	-	-	-	-	148,238	63,283	57,048
Rowan-Cab. CC	191,582	-	12,132	-	-	82,925	96,525	-
Sampson CC	117,646	-	-	-	-	2,381	51,865	63,400
Sandhills CC	274,195	-	-	-	-	128,165	63,157	82,873
Southeastern CC	164,825	-	-	-	-	80,363	66,014	18,448
Southwestern CC	190,448	-	-	-	-	-	75,826	114,622
Stanly CC	100,311	-	-	-	-	14,131	44,245	41,935
Surry CC	182,076	-	-	-	-	66,452	100,254	15,370
Tri-County CC	103,973	-	-	18,334	-	9,720	17,520	58,399
Vance-Granv. CC	191,516	-	-	-	-	-	127,779	63,737
Wake TCC	354,080	-	-	-	-	96,486	108,403	149,191
Wayne CC	307,883	-	-	1,666	36,417	61,024	58,817	149,959
W. Piedmont CC	195,113	-	-	-	-	72,716	54,469	67,928
Wilkes CC	223,482	-	-	-	-	98,598	57,322	67,562
Wilson Co. TC	165,740	-	-	-	27,384	61,420	31,340	45,596
TOTAL	12,353,225	52,368	321,212	223,360	367,171	2,761,457	5,107,301	3,520,356

TABLE 22:
CONDITION OF BUILDINGS

The condition of campus buildings has been a matter of increasing concern to college and university administrators. As institutional budgets tightened during the 1970s, several institutions attempted to economize by deferring the maintenance of facilities. Many institutions continued this policy through the 1980s. As a result, some colleges and universities now have buildings which are in such poor condition that they can no longer satisfactorily support the programs for which they were intended. Increasing costs of new construction have made proper maintenance of campus physical plants even more important.

The data in Table 22 are based on the assessment of building conditions by the facilities project officers at the institutions. Although few of them are architects or engineers, they generally have (or have access to) sufficient information about the condition of their institutions' facilities to be able to accurately assign a condition code to each campus building. In those cases where campus project officers do not have this information, they are encouraged to consult qualified physical plant personnel each year for assignment of a condition code. These codes are defined on the following page.

The sums of the percentages for each institution should in theory add to exactly 100.0, but in some cases they do not because of rounding.

BUILDING CONDITION

1. Definition. The physical status and quality of the building at the time of the inventory, based on the best judgment of those responsible for campus development.

2. Description. This building characteristic has the following categories:

1 - Satisfactory

Suitable for continued use with normal maintenance.

2 - Remodeling A

Requires restoration to present acceptable standards without major room use changes, alterations, or modernizations. The approximate cost of "Remodeling A" is not greater than 25% of the estimated replacement cost of the building.

3 - Remodeling B

Requires major updating and/or modernization of the building. The approximate cost of "Remodeling B" is greater than 25%, but not greater than 50% of the estimated replacement cost of the building.

4 - Remodeling C

Requires major remodeling of the building. The approximate cost of "Remodeling C" is greater than 50% of the replacement cost of the building.

5 - Demolition

Should be demolished or abandoned because the building is unsafe or structurally unsound, irrespective of the need for the space or the availability of funds for a replacement. If a building is scheduled for demolition, its condition is recorded as "demolition," regardless of true condition.

6 - Termination

Planned termination or relinquishment of occupancy of the building for reasons other than unsafeness or structural unsoundness, such as abandonment of temporary units or vacation of leased space. If a building is scheduled for termination, its condition is recorded as "termination," regardless of true condition.

Condition of Buildings

Table 22

INSTITUTION	Satisfactory Gross Sq. Ft.	%	Remodeling A Gross Sq. Ft.	%	Remodeling B Gross Sq. Ft.	%	Remodeling C Gross Sq. Ft.	%	Demolition Gross Sq. Ft.	%	Termination Gross Sq. Ft.	%	Total Gross Square Feet
Major Research Universities:													
NC State	1,581,097	23.4	3,019,160	44.6	1,710,396	25.3	374,794	5.5	77,759	1.1	-	-	6,763,206
NC State Vet.	358,854	96.3	-	-	13,753	3.7	-	-	-	-	-	-	372,607
UNC-Chapel Hill	3,441,782	50.0	2,230,692	32.4	602,583	8.7	508,439	7.4	101,864	1.5	4,471	0.1	6,889,831
UNC-Health Aff.	1,871,110	71.6	348,284	13.3	203,717	7.8	51,633	2.0	16,397	0.6	122,438	4.7	2,613,579
SUBTOTAL	7,252,843	43.6	5,598,136	33.6	2,530,449	15.2	934,866	5.6	196,020	1.2	126,909	0.8	16,639,223
Other Doctoral Universities:													
UNC-Greensboro	434,015	15.4	1,125,231	39.9	471,528	16.7	758,969	26.9	6,482	0.2	21,774	0.8	2,817,999
Comprehensive Universities:													
Appalachian	2,219,408	80.5	383,524	13.9	135,668	4.9	17,890	0.6	-	-	-	-	2,756,490
East Carolina	2,007,915	67.3	881,558	29.5	93,095	3.1	-	-	-	-	1,440	<0.1	2,984,008
ECU-Health Aff.	594,384	96.4	20,550	3.3	-	-	-	-	-	-	1,636	0.3	616,570
Fayetteville	479,695	57.0	132,580	15.8	196,276	23.3	-	-	32,867	3.9	-	-	841,418
NC A & T	1,042,324	50.5	880,462	42.6	119,549	5.8	16,177	0.8	5,910	0.3	-	-	2,064,422
NC Central	1,143,327	73.7	139,511	9.0	92,261	5.9	171,653	11.1	4,379	0.3	-	-	1,551,131
UNC-Charlotte	2,059,161	90.0	229,763	10.0	-	-	-	-	-	-	-	-	2,288,924
UNC-Wilmington	1,151,144	84.9	195,494	14.4	660	<0.1	8,000	0.6	1,000	0.1	-	-	1,356,298
West'n Carolina	1,741,053	76.4	450,819	19.8	85,228	3.7	2,149	0.1	-	-	-	-	2,279,249
SUBTOTAL	12,438,411	74.3	3,314,261	19.8	722,737	4.3	215,869	1.3	44,156	0.3	3,076	<0.1	16,738,510
Gen. Baccalaureate Universities:													
Elizabeth City	309,019	42.2	244,168	33.3	136,536	18.6	42,839	5.8	-	-	-	-	732,562
Pembroke	626,602	91.8	40,412	5.9	2,720	0.4	12,892	1.9	-	-	-	-	682,626
UNC-Asheville	281,912	44.8	10,662	1.7	107,109	17.0	229,632	36.5	-	-	-	-	629,315
Winston-Salem	523,060	61.2	277,097	32.4	53,831	6.3	-	-	-	-	-	-	853,988
SUBTOTAL	1,740,593	60.1	572,339	19.7	300,196	10.4	285,363	9.8	-	-	-	-	2,898,491
Specialized Institution:													
NC Sch. of Arts	448,434	74.5	27,768	4.6	93,299	15.5	32,656	5.4	-	-	-	-	602,157
Teaching Hospitals:													
UNC Hosp. at C. H.	1,234,279	100.0	-	-	-	-	-	-	-	-	-	-	1,234,279
Community Colleges:													
SUBTOTAL	11,398,754	92.3	527,300	4.3	207,454	1.7	127,888	1.0	15,769	0.1	76,060	0.6	12,353,225
PRIVATE INSTITUTIONS													
Major Research Universities:													
SUBTOTAL	12,628,492	99.1	44,672	0.4	57,384	0.5	4,753	<0.1	8,682	0.1	-	-	12,743,983
Gen. Baccalaureate Colleges:													
SUBTOTAL	13,964,425	89.6	1,234,392	7.9	210,344	1.3	105,895	0.7	49,060	0.3	19,615	0.1	15,583,731
Junior Colleges:													
SUBTOTAL	1,836,328	98.5	11,648	0.6	16,814	0.9	-	-	-	-	-	-	1,864,790
GRAND TOTAL	63,376,574	75.9	12,455,747	14.9	4,610,205	5.5	2,466,259	3.0	320,169	0.4	247,434	0.3	83,476,388

Condition of Buildings

Table 22

INSTITUTION	Satisfactory Gross Sq. Ft.	%	Remodeling A Gross Sq. Ft.	%	Remodeling B Gross Sq. Ft.	%	Remodeling C Gross Sq. Ft.	%	Demolition Gross Sq. Ft.	%	Termination Gross Sq. Ft.	%	Total Gross Square Feet
Community Colleges:													
Alamance CC	173,542	87.1	25,729	12.9	-	-	-	-	-	-	-	-	199,271
Anson CC	8,638	12.4	37,947	54.6	15,350	22.1	5,388	7.8	2,137	3.1	-	-	69,460
Asheville-Bun. TCC	366,937	94.7	12,576	3.2	7,797	2.0	-	-	-	-	-	-	387,310
Beaufort Co. CC	128,848	100.0	-	-	-	-	-	-	-	-	-	-	128,848
Bladen CC	98,931	95.7	3,841	3.7	600	0.6	-	-	-	-	-	-	103,372
Blue Ridge CC	163,140	100.0	-	-	-	-	-	-	-	-	-	-	163,140
Brunswick CC	132,869	91.0	950	0.7	2,675	1.8	5,976	4.1	3,487	2.4	-	-	145,957
Caldwell CC & TI	197,180	100.0	-	-	-	-	-	-	-	-	-	-	197,180
Cape Fear CC	203,877	100.0	-	-	-	-	-	-	-	-	-	-	203,877
Carteret CC	90,736	56.9	47,517	29.8	7,671	4.8	2,977	1.9	9,281	5.8	1,296	0.8	159,478
Catawba Vy. CC	274,863	100.0	-	-	-	-	-	-	-	-	-	-	274,863
C. Carolina CC	168,544	100.0	-	-	-	-	-	-	-	-	-	-	168,544
C. Piedmont CC	805,878	63.4	222,971	17.5	142,964	11.2	99,279	7.8	-	-	-	-	1,271,092
Cleveland CC	188,334	100.0	-	-	-	-	-	-	-	-	-	-	188,334
Coastal Car. CC	214,716	100.0	-	-	-	-	-	-	-	-	-	-	214,716
Col. Albemarle	137,092	96.3	-	-	-	-	5,268	3.7	-	-	-	-	142,360
Craven CC	127,058	100.0	-	-	-	-	-	-	-	-	-	-	127,058
Davidson Co. CC	211,332	100.0	-	-	-	-	-	-	-	-	-	-	211,332
Durham TCC	225,312	100.0	-	-	-	-	-	-	-	-	-	-	225,312
Edgecombe CC	144,858	100.0	-	-	-	-	-	-	-	-	-	-	144,858
Fayettev'le TCC	396,972	98.2	7,200	1.8	-	-	-	-	-	-	-	-	404,172
Forsyth TCC	414,051	100.0	-	-	-	-	-	-	-	-	-	-	414,051
Gaston Col.	287,894	100.0	-	-	-	-	-	-	-	-	-	-	287,894
Guilford TCC	585,041	100.0	-	-	-	-	-	-	-	-	-	-	585,041
Halifax CC	119,225	100.0	-	-	-	-	-	-	-	-	-	-	119,225
Haywood CC	206,927	88.1	23,754	10.1	4,100	1.7	-	-	-	-	-	-	234,781
Isothermal CC	216,073	100.0	-	-	-	-	-	-	-	-	-	-	216,073
J. Sprunt CC	115,057	97.8	-	-	-	-	600	0.5	-	-	1,944	1.7	117,601
Johnston CC	186,898	100.0	-	-	-	-	-	-	-	-	-	-	186,898
Lenoir CC	215,038	96.0	-	-	-	-	-	-	-	-	9,024	4.0	224,062
Martin CC	151,265	100.0	-	-	-	-	-	-	-	-	-	-	151,265
Mayland CC	82,161	100.0	-	-	-	-	-	-	-	-	-	-	82,161
McDowell TCC	95,881	100.0	-	-	-	-	-	-	-	-	-	-	95,881
Mitchell CC	243,540	97.0	4,483	1.8	2,974	1.2	-	-	-	-	-	-	250,997
Montgomery CC	69,786	100.0	-	-	-	-	-	-	-	-	-	-	69,786
Nash CC	177,684	100.0	-	-	-	-	-	-	-	-	-	-	177,684
Pamlico CC	40,198	100.0	-	-	-	-	-	-	-	-	-	-	40,198
Piedmont CC	117,486	100.0	-	-	-	-	-	-	-	-	-	-	117,486
Pitt CC	160,298	90.3	-	-	-	-	-	-	-	-	17,256	9.7	177,554
Randolph CC	180,877	100.0	-	-	-	-	-	-	-	-	-	-	180,877
Richmond CC	159,319	100.0	-	-	-	-	-	-	-	-	-	-	159,319
Roanoke-Cho. CC	109,542	91.9	-	-	-	-	-	-	-	-	9,633	8.1	119,175
Robeson CC	183,243	100.0	-	-	-	-	-	-	-	-	-	-	183,243
Rockingham CC	268,569	100.0	-	-	-	-	-	-	-	-	-	-	268,569
Rowan-Cab. CC	191,582	100.0	-	-	-	-	-	-	-	-	-	-	191,582
Sampson CC	87,920	74.7	29,726	25.3	-	-	-	-	-	-	-	-	117,646
Sandhills CC	177,720	64.8	96,475	35.2	-	-	-	-	-	-	-	-	274,195
Southeastern CC	164,825	100.0	-	-	-	-	-	-	-	-	-	-	164,825
Southwestern CC	190,448	100.0	-	-	-	-	-	-	-	-	-	-	190,448
Stanly CC	86,180	85.9	14,131	14.1	-	-	-	-	-	-	-	-	100,311
Surry CC	182,076	100.0	-	-	-	-	-	-	-	-	-	-	182,076
Tri-County CC	88,168	84.8	-	-	6,541	6.3	8,400	8.1	864	0.8	-	-	103,973
Vance-Granv. CC	191,516	100.0	-	-	-	-	-	-	-	-	-	-	191,516
Wake TCC	349,700	98.8	-	-	-	-	-	-	-	-	4,380	1.2	354,080
Wayne CC	258,574	84.0	-	-	16,782	5.5	-	-	-	-	32,527	10.6	307,883
W. Piedmont CC	195,113	100.0	-	-	-	-	-	-	-	-	-	-	195,113
Wilkes CC	223,482	100.0	-	-	-	-	-	-	-	-	-	-	223,482
Wilson Co. TC	165,740	100.0	-	-	-	-	-	-	-	-	-	-	165,740
TOTAL	11,398,754	92.3	527,300	4.3	207,454	1.7	127,888	1.0	15,769	0.1	76,060	0.6	12,353,225

TABLE 23:
ESTIMATED COST TO RENOVATE OR REPLACE UNSATISFACTORY FACILITIES

The common practice of deferring standard maintenance of college and university facilities has forced many institutions to face the prospect of extensive renovations and the total replacement of some buildings. On a national level, the cost of bringing buildings to a satisfactory condition and replacing inadequate facilities has been recently estimated at over $60 billion.

Table 23 estimates the costs of bringing all campus buildings to a satisfactory condition by renovating unsatisfactory facilities and replacing buildings which are designated for demolition due to their unsafe condition or which will be vacated by institutions for any other reason. It does not estimate the cost of new construction required by any inadequacies in the amount of space.

These estimates were calculated by taking the estimated replacement value of each unsatisfactory building and multiplying it by the appropriate "cost midpoint" based on the condition of the building. (See Table 19 for a discussion of estimated replacement values and Table 22 for definitions of condition codes.)

The cost midpoints used in generating the estimates for Table 23 are as follows:

Condition	Cost Midpoint
Remodeling A	20%
Remodeling B	37.5%
Remodeling C	75%
Demolition	100%
Termination	100%

Thus, for example, if a building in Remodeling A condition has an estimated replacement value of $1,000,000, the cost to bring it to satisfactory condition would be estimated to be $200,000.

Current year dollar figures for total campus original building cost, estimated replacement cost, and renovation/replacement needs are presented in the table.

Estimated Cost to Renovate or Replace Unsatisfactory Facilities

Table 23

INSTITUTION	Original Building Cost	Estimated Replacement Cost	Estimated Cost of Restoring Facilities to Satisfactory Condition
Major Research Universities:			
NC State	$ 145,154,720	$ 462,230,920	$102,438,244
NC State Vet.	23,846,176	32,121,295	149,897
UNC-Chapel Hill	193,356,500	760,155,427	137,309,107
UNC-Health Aff.	90,484,371	336,108,758	36,885,329
SUBTOTAL	452,841,767	1,590,616,400	276,782,577
Other Doctoral Universities:			
UNC-Greensboro	67,226,290	192,524,051	68,651,295
Comprehensive Universities:			
Appalachian	74,373,065	198,990,768	8,809,588
East Carolina	70,345,453	204,228,511	14,029,077
ECU-Health Aff.	38,849,291	54,355,594	309,745
Fayetteville	25,891,571	61,063,488	8,847,816
NC A & T	50,289,871	143,721,587	14,833,275
NC Central	39,714,075	109,452,934	12,949,441
UNC-Charlotte	78,492,923	174,350,466	3,870,638
UNC-Wilmington	54,942,529	101,179,636	4,183,660
West'n Carolina	58,777,347	157,665,650	8,172,591
SUBTOTAL	491,676,125	1,205,008,634	76,005,831
Gen. Baccalaureate Universities:			
Elizabeth City	20,242,391	53,526,853	9,494,425
Pembroke	19,588,862	48,456,325	1,164,717
UNC-Asheville	25,422,563	43,187,099	13,745,154
Winston-Salem	23,768,447	59,811,827	5,120,907
SUBTOTAL	89,022,263	204,982,104	29,525,203

Estimated Cost to Renovate or Replace Unsatisfactory Facilities

Table 23

INSTITUTION	Original Building Cost	Estimated Replacement Cost	Estimated Cost of Restoring Facilities to Satisfactory Condition
Specialized Institution:			
NC Sch. of Arts	$ 17,218,304	$ 48,945,154	$ 4,635,675
Teaching Hospitals:			
UNC Hosp. at C.H.	61,713,245	137,550,645	-
Community Colleges:			
SUBTOTAL	387,149,163	794,574,519	23,082,972
		PRIVATE INSTITUTIONS	
Major Research Universities:			
SUBTOTAL	506,761,853	1,097,726,235	9,184,493
Gen. Baccalaureate Colleges:			
SUBTOTAL	328,661,511	1,081,350,031	30,758,612
Junior Colleges:			
SUBTOTAL	36,127,934	127,906,701	651,694
GRAND TOTAL	$2,438,398,455	$6,481,184,474	$519,278,352

Table 23

Estimated Cost to Renovate or Replace Unsatisfactory Facilities

INSTITUTION	Original Building Cost	Estimated Replacement Cost	Estimated Cost of Restoring Facilities to Satisfactory Condition
Community Colleges:			
Alamance CC	$ 9,332,312	$ 17,114,745	$ 296,518
Anson CC	1,150,000	4,240,632	1,236,749
Ashev'le-Bun. TCC	11,673,323	25,419,682	360,980
Beaufort Co. CC	3,691,187	7,388,720	-
Bladen CC	2,797,818	6,376,886	9,403
Blue Ridge CC	6,274,436	10,368,772	-
Brunswick CC	6,759,818	8,872,424	438,625
Caldwell CC & TI	6,798,553	14,271,068	-
Cape Fear CC	4,951,014	15,873,329	-
Carteret CC	5,029,452	11,981,952	1,507,682
Catawba Vy. CC	8,560,568	19,142,455	-
C. Carolina CC	6,434,189	12,193,682	-
C. Piedmont CC	19,590,530	55,534,020	12,212,506
Cleveland CC	8,871,051	13,213,369	-
Coastal Car. CC	9,862,528	16,544,612	-
Col. Albemarle	4,120,940	8,769,526	286,062
Craven CC	3,316,684	8,237,594	-
Davidson Co. CC	5,949,765	14,041,395	-
Durham TCC	7,146,311	14,287,460	-
Edgecombe CC	4,155,300	9,246,855	-
Fayettev'le TCC	11,641,365	24,766,153	68,566
Forsyth TCC	10,784,952	29,417,518	-
Gaston Col.	8,933,618	20,192,593	-
Guilford TCC	14,735,720	41,639,952	-
Halifax CC	3,872,903	5,942,629	-
Haywood CC	6,764,429	13,413,331	367,452
Isothermal CC	7,379,512	13,387,858	-
J. Sprunt CC	3,096,076	7,108,658	45,239
Johnston CC	8,913,500	12,859,890	-
Lenoir CC	6,981,729	14,642,390	565,776

Table 23

Estimated Cost to Renovate or Replace Unsatisfactory Facilities

INSTITUTION	Original Building Cost	Estimated Replacement Cost	Estimated Cost of Restoring Facilities to Satisfactory Condition
Community Colleges:			
Martin CC	2,807,675	7,636,143	-
Mayland CC	4,027,991	5,736,508	-
McDowell TCC	3,976,052	7,358,723	-
Mitchell CC	3,862,528	14,938,006	115,152
Montgomery CC	2,300,126	3,872,509	-
Nash CC	7,023,010	10,078,775	-
Pamlico CC	1,528,200	3,553,326	-
Piedmont CC	5,610,180	8,785,620	-
Pitt CC	4,580,860	11,468,728	825,992
Randolph CC	5,444,103	11,154,173	-
Richmond CC	4,984,574	10,856,296	-
Roanoke-Cho. CC	4,679,094	8,417,764	610,557
Robeson CC	8,954,000	12,922,472	-
Rockingham CC	9,037,674	18,141,683	-
Rowan-Cab. CC	3,622,700	12,297,741	-
Sampson CC	4,797,302	7,143,131	485,263
Sandhills CC	10,017,386	18,286,911	1,281,684
Southeastern CC	3,871,309	10,178,964	-
Southwestern CC	8,827,721	12,545,074	-
Stanly CC	3,346,302	6,636,098	177,766
Surry CC	5,436,344	11,520,564	-
Tri-County CC	3,925,673	7,034,026	549,940
Vance-Granv. CC	9,399,347	14,963,352	-
Wake TCC	11,164,207	21,037,783	298,015
Wayne CC	14,924,141	21,609,436	1,343,045
W. Piedmont CC	7,910,241	14,567,143	-
Wilkes CC	6,932,284	13,573,602	-
Wilson Co. TC	4,588,556	11,769,818	-
TOTAL	$387,149,163	$794,574,519	$23,082,972

Health Science Building ramp and steps, Wayne Community College

Wayne Community College in Goldsboro operated a predominantly one-story campus with easily accessible buildings until the construction of an entirely new campus in 1989. The four new buildings, including the Health Science building (entrance photo above), are multi-story structures with exterior steps. As a result, low-grade concrete ramps and modern elevators were designed into each building to make all facilities barrier-free.

The new $12 million campus demonstrates a concerted design and construction focus on the needs of the mobility impaired person. All restroom facilities have wheelchair accessible stalls, wash basins, and mirrors. Male restrooms are all equipped with lower urinals and elevators have buttons and emergency telephones placed at lower levels for convenience to people with these special needs. Exterior doors are equipped with automatic-opening devices and interior doors have handles instead of knobs. Curb ramps and numerous handicapped parking areas complete this new campus of total accessibility.

Accessibility of Facilities to the Mobility Impaired

Accessible Area as a Percentage of Assignable 169
Accessible Area by Programs and Subprograms 175
Accessible Area by Room Code 193

TABLE 24:
ACCESSIBLE AREA AS A PERCENTAGE OF ASSIGNABLE

The Rehabilitation Act of 1973 focused national attention on the rights of handicapped persons. Section 504 of the Act states that "no otherwise qualified handicapped individual in the United States . . . shall, solely by reason of his handicap, be excluded from the participation in, be denied the benefits of, or be subjected to discrimination under any program or activity receiving Federal financial assistance."

One of the groups protected by Section 504 is the people who are confined to wheelchairs or whose mobility is otherwise impaired. Although Section 504 does not require that colleges and universities make all of their facilities barrier-free, it does require that the institution's programs be made accessible to the handicapped. Although program accessibility can be partially achieved through changes other than facilities modifications, the amount of assignable space which is accessible to the mobility impaired is a factor which must be carefully considered in making programs accessible.

The National Center for Education Statistics conducted a survey in 1978 to determine the impact of Section 504 on colleges and universities. One of the findings of the survey was that about 76% of the assignable area on college and university campuses would need to be made accessible in order to comply with the program accessibility requirement of Section 504. The survey also found, however, that this percentage varied greatly among different institutions. Since the 1978 study, total campus accessibility for institutions throughout the country have improved dramatically.

For purposes of this study, assignable space is considered to be accessible if a person in a wheelchair can, without assistance, reach that space from immediately outside the building in which the space is located.

Table 24

Accessible Area As a Percentage of Assignable

INSTITUTION	Total Assignable Sq. Ft.	Total Accessible Sq. Ft.	Percent Accessible 1989	1988	1987	1986	1985
Major Research Universities:							
NC State	4,210,154	2,284,457	54.3	53.1	52.9	54.1	57.2
NC State Vet.	222,771	201,747	90.6	89.3	89.3	88.0	87.6
UNC-Chapel Hill	4,553,789	2,708,858	59.5	59.0	58.6	51.9	56.0
UNC-Health Aff.	1,236,171	1,144,508	92.6	88.4	86.2	84.0	84.7
SUBTOTAL	10,222,885	6,339,570	62.0	60.8	60.2	57.5	60.8
Other Doctoral Universities:							
UNC-Greensboro	1,800,575	1,190,312	66.1	60.7	59.2	59.1	56.5
Comprehensive Universities:							
Appalachian	1,913,486	1,066,989	55.8	55.3	53.0	51.6	51.5
East Carolina	2,103,320	1,049,500	49.9	48.2	44.8	44.8	43.5
ECU-Health Aff.	383,016	359,712	93.9	93.7	94.0	94.0	94.0
Fayetteville	556,573	267,075	48.0	48.0	47.9	40.8	40.8
NC A & T	1,428,691	724,659	50.7	49.8	47.6	46.2	45.2
NC Central	1,013,321	403,795	39.8	39.8	39.9	40.0	40.0
UNC-Charlotte	1,486,500	1,263,236	85.0	84.9	84.9	83.8	83.8
UNC-Wilmington	933,455	531,650	57.0	59.6	57.5	52.4	51.6
West'n Carolina	1,561,169	1,039,861	66.6	65.1	65.6	65.7	63.6
SUBTOTAL	11,379,531	6,706,477	58.9	58.4	57.3	56.0	55.2
Gen. Baccalaureate Universities:							
Elizabeth City	519,682	346,901	66.8	66.9	64.2	60.8	56.9
Pembroke	462,281	282,887	61.2	61.3	61.0	54.1	54.1
UNC-Asheville	420,433	347,723	82.7	82.4	78.0	73.9	71.9
Winston-Salem	579,770	319,758	55.2	55.0	55.0	41.8	41.8
SUBTOTAL	1,982,166	1,297,269	65.4	65.4	63.4	55.8	54.4

Table 24

Accessible Area As a Percentage of Assignable

INSTITUTION	Total Assignable Sq. Ft.	Total Accessible Sq. Ft.	Percent Accessible 1989	1988	1987	1986	1985
Specialized Institution:							
NC Sch. of Arts	412,689	292,542	70.9	70.9	62.8	62.9	62.6
Teaching Hospitals:							
UNC Hosp. at C.H.	708,585	703,530	99.3	99.3	99.3	92.2	90.5
Community Colleges:							
SUBTOTAL	8,576,707	8,020,971	93.5	92.7	91.2	90.4	90.2
		PRIVATE INSTITUTIONS					
Major Research Universities:							
SUBTOTAL	7,450,508	4,941,222	66.3	66.6	64.4	61.4	61.1
Gen. Baccalaureate Colleges:							
SUBTOTAL	11,044,714	4,493,269	40.7	39.9	40.0	38.1	37.4
Junior Colleges:							
SUBTOTAL	1,305,890	627,746	48.1	46.9	44.8	44.3	44.5
GRAND TOTAL	54,884,250	34,612,908	63.1	62.2	60.9	58.5	58.6

Table 24

Accessible Area As a Percentage of Assignable

INSTITUTION	Total Assignable Sq. Ft.	Total Accessible Sq. Ft.	Percent Accessible 1989	1988	1987	1986	1985
Community Colleges:							
Alamance CC	136,960	136,128	99.4	99.2	99.2	99.2	99.2
Anson CC	51,063	40,971	80.2	80.9	79.6	84.2	84.6
Ashev'le-Bun. TCC	274,341	238,074	86.8	77.6	75.6	72.9	72.9
Beaufort Co. CC	100,203	92,312	92.1	92.1	91.3	91.3	90.0
Bladen CC	78,750	75,844	96.3	96.3	95.9	95.9	96.3
Blue Ridge CC	122,771	122,142	99.5	99.5	99.4	99.3	99.3
Brunswick CC	111,311	95,796	86.1	81.0	74.6	73.3	72.7
Caldwell CC & TI	150,289	140,218	93.3	92.2	92.2	91.8	91.8
Cape Fear CC	140,995	137,241	97.3	97.3	97.3	97.3	91.4
Carteret CC	121,625	106,094	87.2	88.9	82.8	81.7	94.6
Catawba Vy. CC	202,727	178,628	88.1	87.3	72.1	72.1	72.1
C. Carolina CC	129,644	127,062	98.0	97.9	97.9	97.5	97.6
C. Piedmont CC	491,144	461,090	93.9	94.0	92.4	92.1	92.2
Cleveland CC	132,033	130,239	98.6	98.4	95.6	95.6	95.6
Coastal Car. CC	159,732	159,732	100.0	100.0	100.0	100.0	100.0
Col. Albemarle	100,556	100,456	99.9	99.9	99.9	99.9	99.9
Craven CC	91,657	91,089	99.4	99.4	99.4	99.4	99.4
Davidson Co. CC	146,941	144,613	98.4	98.4	99.7	99.7	99.7
Durham TCC	162,162	154,124	95.0	95.0	94.9	94.2	94.2
Edgecombe CC	93,163	76,244	81.8	81.8	81.8	79.4	76.8
Fayettev'le TCC	291,026	268,490	92.3	92.1	90.2	89.9	90.2
Forsyth TCC	308,517	302,978	98.2	98.1	98.1	98.0	98.0
Gaston Col.	199,612	186,166	93.3	93.0	93.0	93.0	92.9
Guilford TCC	417,082	333,384	79.9	78.7	69.6	67.7	66.6
Halifax CC	88,157	87,433	99.2	99.2	99.2	97.6	95.8
Haywood CC	183,400	161,921	88.3	88.3	88.3	88.1	88.1
Isothermal CC	164,330	139,615	85.0	85.0	82.6	82.6	81.8
J. Sprunt CC	87,330	82,671	94.7	94.5	91.1	90.1	90.1
Johnston CC	140,157	138,435	98.8	98.4	99.6	98.3	98.3
Lenoir CC	173,526	170,675	98.4	98.2	98.1	97.3	97.2

Table 24

Accessible Area As a Percentage of Assignable

INSTITUTION	Total Assignable Sq. Ft.	Total Accessible Sq. Ft.	Percent Accessible 1989	1988	1987	1986	1985
Community Colleges:							
Martin CC	110,951	108,464	97.8	97.8	97.8	97.8	97.8
Mayland CC	59,067	58,445	98.9	85.0	92.1	98.1	98.1
McDowell TCC	72,456	69,719	96.2	96.1	96.1	88.7	88.7
Mitchell CC	181,383	149,859	82.6	82.6	82.6	78.1	78.1
Montgomery CC	47,647	47,371	99.4	99.4	99.4	99.4	99.4
Nash CC	127,992	126,724	99.0	94.3	85.7	87.3	84.9
Pamlico CC	28,725	27,496	95.7	95.7	95.7	95.7	95.7
Piedmont CC	98,191	96,956	98.7	98.7	97.4	97.3	97.3
Pitt CC	132,619	120,890	91.2	91.2	90.5	88.6	88.6
Randolph CC	142,787	142,787	100.0	100.0	100.0	100.0	100.0
Richmond CC	114,325	104,408	91.3	90.9	88.7	87.7	87.7
Roanoke-Cho. CC	83,595	80,175	95.9	95.9	95.9	87.5	87.1
Robeson CC	136,227	132,923	97.6	96.3	97.7	95.4	95.4
Rockingham CC	191,315	180,924	94.6	94.7	93.5	93.4	93.4
Rowan-Cab. CC	146,324	146,324	100.0	100.0	100.0	97.1	97.1
Sampson CC	87,739	86,079	98.1	98.1	96.8	93.2	93.2
Sandhills CC	201,226	188,877	93.9	92.3	92.3	91.7	91.7
Southeastern CC	122,853	98,731	80.4	80.3	80.3	80.8	78.7
Southwestern CC	138,071	135,096	97.8	97.8	96.6	96.3	96.3
Stanly CC	73,833	73,803	100.0	100.0	100.0	99.9	90.1
Surry CC	133,845	125,179	93.5	93.5	93.0	93.0	93.0
Tri-County CC	82,943	80,124	96.6	96.1	96.1	95.5	95.5
Vance-Granv. CC	126,717	123,129	97.2	96.6	88.3	88.3	87.2
Wake TCC	249,883	226,595	90.7	90.1	87.3	85.5	85.5
Wayne CC	217,921	207,404	95.2	90.6	91.3	91.4	91.3
W. Piedmont CC	133,915	126,309	94.3	92.7	92.7	92.7	92.7
Wilkes CC	165,536	160,682	97.1	96.8	96.8	96.8	97.1
Wilson Co. TC	117,417	115,633	98.5	98.4	98.5	98.5	98.4
TOTAL	8,576,707	8,020,971	93.5	92.7	91.2	90.4	90.2

TABLE 25:
ACCESSIBLE AREA
BY SUMMARY PROGRAMS AND SUBPROGRAMS

The requirement that all colleges and universities make their programs accessible to handicapped persons makes careful planning on the part of campus administrators especially important. Although program accessibility does not require that a campus be barrier-free, the concepts of program accessibility and facilities accessibility are inherently interrelated. Campus administrators must therefore analyze their campus facilities in terms of accessibility, focusing particularly on the kinds of space which are accessible.

Table 25 and Tables 25a-25d indicate for each program and subprogram the percentage of assignable space which is accessible to the mobility impaired. A dash indicates that a particular institution has no assignable space under the indicated program or subprogram. A "0.0" indicates that the institution has *assignable* space under the program and subprogram but that none of it is *accessible*. Definitions of the programs and subprograms listed in these tables can be found in the narratives preceding Tables 14-14d. Subprogram 03 (Building Service) is not included in Table 25d (and is not considered as part of Program 00 in Table 25) because it applies to nonassignable area only.

It is not possible to develop standards to indicate how much accessible space in each program and subprogram is needed to achieve program accessibility. The figures would vary from institution to institution based on the kinds of programmatic changes that had been implemented to assist handicapped persons. For example, the financial aid program at a college or university would be considered accessible if a handicapped student had the same access to the financial aid and related counseling which the institution offered to other students. This could be accomplished without making the space occupied by the financial aid office accessible. Thus, a program or subprogram which has little or no accessible area is not necessarily inaccessible.

Although the data in Table 25 and Tables 25a-25d cannot be used to ascertain whether program accessibility has been achieved, the information does provide facilities planners with a detailed breakdown of the accessible space on their campuses. This will in turn assist each institution in the determination of the most practical means of achieving program accessibility.

Table 25

Accessible Area by Summary Programs

(Percentages relate to assignable space in each program.)

INSTITUTION	Accessible Sq. Ft.	Instruction 10	Research 20	Public Serv. 30	Acad. Spt. 40	Stud. Serv. 50	Inst. Admin. 60	Phys. Plt. Opns. 70	Stud. Fin. Spt. 80	Indep. Opns. 90	Unassigned 00
Major Research Universities:											
NC State	2,284,457	67.4	66.6	64.4	90.2	26.9	65.8	61.3	-	27.1	59.0
NC State Vet.	201,747	74.8	96.9	99.8	97.0	93.1	100.0	100.0	-	-	-
UNC-Chapel Hill	2,708,858	78.5	85.4	72.0	77.7	36.2	62.6	78.0	-	63.7	45.9
UNC-Health Aff.	1,144,508	94.1	92.2	94.6	93.4	100.0	98.8	90.5	-	81.4	80.3
SUBTOTAL	6,339,570	75.3	79.0	77.1	83.6	32.3	64.4	70.6	-	63.6	52.8
Other Doctoral Universities:											
UNC-Greensboro	1,190,312	86.1	97.3	0.0	96.3	41.6	66.2	91.6	-	-	54.0
Comprehensive Universities:											
Appalachian	1,066,989	73.3	98.2	81.7	92.4	34.4	65.7	65.7	-	100.0	66.4
East Carolina	1,049,500	76.7	69.3	98.5	97.9	20.0	50.0	54.3	-	100.0	53.7
ECU-Health Aff.	359,712	95.7	100.0	100.0	100.0	43.1	-	11.4	-	-	-
Fayetteville	267,075	67.4	100.0	35.2	84.7	17.4	70.3	26.1	-	0.0	-
NC A & T	724,659	66.2	64.2	8.3	74.6	21.7	83.9	81.2	-	0.0	0.0
NC Central	403,795	64.8	6.9	100.0	76.7	13.2	9.9	0.0	-	0.0	2.7
UNC-Charlotte	1,263,236	98.4	100.0	-	100.0	71.0	100.0	100.0	-	-	-
UNC-Wilmington	531,650	85.4	42.0	-	95.9	30.4	60.3	95.4	-	33.1	27.9
West'n Carolina	1,039,861	85.1	97.8	100.0	98.5	49.4	57.7	49.2	-	25.8	51.7
SUBTOTAL	6,706,477	78.7	70.6	75.7	91.1	34.7	62.2	61.1	-	27.1	29.1
Gen. Baccalaureate Universities:											
Elizabeth City	346,901	89.6	-	100.0	97.7	39.8	68.1	100.0	-	100.0	100.0
Pembroke	282,887	78.3	100.0	100.0	62.4	41.0	68.0	97.8	-	-	97.2
UNC-Asheville	347,723	86.0	100.0	100.0	100.0	75.6	64.2	100.0	-	87.3	-
Winston-Salem	319,758	69.5	31.7	17.0	37.6	45.2	32.7	94.1	-	100.0	89.8
SUBTOTAL	1,297,269	80.2	68.3	96.3	73.9	48.9	57.8	97.5	-	90.7	92.6
Specialized Institution:											
NC Sch. of Arts	292,542	89.2	-	100.0	92.5	36.8	44.2	99.2	-	100.0	100.0
Teaching Hospitals:											
UNC Hosp. at C. Hill	703,530	100.0	-	99.3	-	-	100.0	100.0	-	-	100.0
Community Colleges:											
SUBTOTAL	8,020,971	93.8	100.0	94.6	96.7	95.7	89.9	81.2	-	98.7	83.2
PRIVATE INSTITUTIONS											
Major Research Universities:											
SUBTOTAL	4,941,222	79.1	84.7	94.6	89.1	34.3	51.7	42.7	-	73.6	68.9
Gen. Baccalaureate Colleges:											
SUBTOTAL	4,493,269	57.3	62.8	25.3	73.4	33.1	20.5	37.3	-	9.2	12.0
Junior Colleges:											
SUBTOTAL	627,746	60.0	-	0.0	66.0	43.1	25.5	76.1	-	-	0.0
GRAND TOTAL	34,612,908	79.3	80.7	92.5	86.8	37.9	50.7	60.5	-	61.9	58.2

Table 25

Accessible Area by Summary Programs

(Percentages relate to assignable space in each program.)

INSTITUTION	Accessible Sq. Ft.	Instruction 10	Research 20	Public Serv. 30	Acad. Spt. 40	Stud. Serv. 50	Inst. Admin. 60	Phys. Plt. Opns. 70	Stud. Fin. Spt. 80	Indep. Opns. 90	Unassigned 00
Community Colleges:											
Alamance CC	136,128	99.8	-	100.0	100.0	100.0	92.7	100.0	-	-	100.0
Anson CC	40,971	74.6	-	0.0	81.3	87.5	97.1	100.0	-	-	100.0
Asheville-Bun. TCC	238,074	88.2	-	100.0	88.5	100.0	71.0	98.5	-	-	86.1
Beaufort Co. CC	92,312	90.9	-	-	98.9	82.5	100.0	100.0	-	-	-
Bladen CC	75,844	95.0	-	-	100.0	96.3	99.5	100.0	-	100.0	100.0
Blue Ridge CC	122,142	99.4	-	100.0	100.0	99.0	97.8	100.0	-	100.0	-
Brunswick CC	95,796	78.3	-	100.0	100.0	98.4	97.6	100.0	-	100.0	83.7
Caldwell CC & TI	140,218	89.9	-	-	100.0	97.9	100.0	100.0	-	-	100.0
Cape Fear CC	137,241	98.0	-	100.0	100.0	90.5	99.4	-	-	35.8	-
Carteret CC	106,094	91.2	-	100.0	90.9	94.3	100.0	0.0	-	100.0	0.0
Catawba Vy. CC	178,628	89.3	-	100.0	100.0	100.0	56.4	-	-	100.0	100.0
C. Carolina CC	127,062	97.8	-	-	98.0	99.8	99.4	97.1	-	-	-
C. Piedmont CC	461,090	93.8	-	100.0	95.3	99.3	87.6	78.7	-	-	100.0
Cleveland CC	130,239	98.5	-	100.0	100.0	100.0	100.0	24.8	-	-	77.6
Coastal Car. CC	159,732	100.0	-	100.0	100.0	100.0	100.0	100.0	-	-	-
Col. Albemarle	100,456	99.9	-	100.0	100.0	100.0	100.0	100.0	-	-	-
Craven CC	91,089	99.2	-	100.0	100.0	100.0	100.0	-	-	-	-
Davidson Co. CC	144,613	100.0	-	0.0	99.1	98.7	99.7	100.0	-	-	-
Durham TCC	154,124	95.3	-	100.0	98.7	96.7	92.5	78.5	-	100.0	100.0
Edgecombe CC	76,244	75.5	-	-	93.5	98.3	100.0	0.0	-	-	-
Fayettev'le TCC	268,490	92.1	-	100.0	99.3	97.7	85.0	16.1	-	-	96.4
Forsyth TCC	302,978	97.9	-	100.0	98.8	98.9	98.5	100.0	-	100.0	100.0
Gaston Col.	186,166	96.1	-	-	88.0	94.2	64.8	100.0	-	-	100.0
Guilford TCC	333,384	78.4	-	100.0	87.9	86.4	77.9	6.5	-	100.0	42.9
Halifax CC	87,433	100.0	-	100.0	100.0	100.0	97.9	79.2	-	100.0	-
Haywood CC	161,921	84.3	-	100.0	94.4	100.0	100.0	98.8	-	100.0	-
Isothermal CC	139,615	89.9	-	100.0	37.5	74.2	92.1	100.0	-	-	-
J. Sprunt CC	82,671	95.2	-	100.0	100.0	95.9	100.0	65.3	-	-	-
Johnston CC	138,435	99.7	-	0.0	100.0	100.0	97.0	100.0	-	-	-
Lenoir CC	170,675	97.7	-	100.0	98.9	100.0	100.0	100.0	-	-	100.0
Martin CC	108,464	98.1	-	-	98.7	96.1	97.7	100.0	-	57.0	-
Mayland CC	58,445	99.8	-	100.0	100.0	100.0	94.1	100.0	-	-	100.0
McDowell TCC	69,719	95.7	-	100.0	100.0	97.8	93.0	100.0	-	-	-
Mitchell CC	149,859	92.8	-	100.0	98.7	68.6	62.2	11.9	-	100.0	37.0
Montgomery CC	47,371	99.6	-	-	97.8	100.0	99.2	100.0	-	-	-
Nash CC	126,724	99.1	-	100.0	100.0	100.0	95.6	100.0	-	-	-
Pamlico CC	27,496	99.9	-	100.0	100.0	100.0	98.1	0.0	-	-	-
Piedmont CC	96,956	97.8	-	99.1	100.0	100.0	99.7	100.0	-	100.0	-
Pitt CC	120,890	89.4	-	100.0	99.3	81.3	89.2	100.0	-	-	0.0
Randolph CC	142,787	100.0	-	-	100.0	100.0	100.0	100.0	-	-	100.0
Richmond CC	104,408	90.5	-	100.0	95.1	94.1	100.0	0.0	-	-	100.0
Roanoke-Cho. CC	80,175	100.0	-	100.0	100.0	100.0	99.5	100.0	-	-	62.9
Robeson CC	132,923	100.0	-	-	100.0	87.6	99.8	100.0	-	-	-
Rockingham CC	180,924	92.3	-	100.0	100.0	99.1	99.9	100.0	-	100.0	100.0
Rowan-Cab. CC	146,324	100.0	-	-	100.0	100.0	100.0	100.0	-	-	-
Sampson CC	86,079	96.9	-	-	100.0	100.0	99.4	-	-	-	100.0
Sandhills CC	188,877	95.3	-	0.0	99.4	97.6	59.9	97.2	-	-	99.8
Southeastern CC	98,731	75.3	-	25.0	84.2	96.9	92.5	100.0	-	-	-
Southwestern CC	135,096	100.0	-	-	100.0	100.0	99.3	0.0	-	100.0	-
Stanly CC	73,803	100.0	-	100.0	100.0	100.0	99.5	100.0	-	-	-
Surry CC	125,179	91.3	100.0	100.0	100.0	96.9	96.6	100.0	-	-	-
Tri-County CC	80,124	99.2	-	-	83.2	100.0	73.6	-	-	-	-
Vance-Granv. CC	123,129	99.3	-	100.0	100.0	98.1	76.4	100.0	-	-	100.0
Wake TCC	226,595	93.2	-	-	99.5	99.3	75.3	62.0	-	-	74.8
Wayne CC	207,404	93.0	-	100.0	100.0	98.5	99.5	100.0	-	-	93.0
W. Piedmont CC	126,309	98.2	-	100.0	92.5	99.6	100.0	6.1	-	-	100.0
Wilkes CC	160,682	98.1	-	0.0	100.0	92.6	99.6	100.0	-	96.7	-
Wilson Co. TC	115,633	100.0	-	100.0	100.0	96.2	84.4	100.0	-	-	-
TOTAL	8,020,971	93.8	100.0	94.6	96.7	95.7	89.9	81.2	-	98.7	83.2

Instruction, Research & Public Service Subprograms

(Percentages relate to assignable space in each subprogram.)

Table 25a

INSTITUTION	Gen'l Acad. Instr.	Voc. Tech. Instr.	Prep. Remed. Instr.	Gen'l Studies	Occup. Relatd Instr.	Social Roles Instr.	Home & Family Life	Pers. Int. Leis. Instr.
	11	12	13	14	15	16	17	18
Major Research Universities:								
NC State	67.3	-	98.8	-	100.0	-	-	-
NC State Vet.	74.8	-	-	-	-	-	-	-
UNC-Chapel Hill	78.7	-	0.0	100.0	6.5	-	-	-
UNC-Health Aff.	94.7	-	100.0	100.0	62.6	-	-	-
SUBTOTAL	75.4	-	71.9	100.0	56.9	-	-	-
Other Doctoral Universities:								
UNC-Greensboro	86.1	-	100.0	-	-	-	-	-
Comprehensive Universities:								
Appalachian	74.4	-	-	64.4	-	-	-	-
East Carolina	76.7	-	-	-	-	-	-	-
ECU-Health Aff.	95.7	-	-	-	-	-	-	-
Fayetteville	66.6	-	-	100.0	-	-	-	-
NC A & T	66.2	-	100.0	-	-	-	-	-
NC Central	64.6	-	95.2	-	-	100.0	-	-
UNC-Charlotte	98.4	-	-	-	-	-	-	-
UNC-Wilmington	86.3	-	-	-	0.0	-	-	-
West'n Carolina	85.1	-	100.0	47.4	100.0	100.0	-	-
SUBTOTAL	79.0	-	99.0	65.8	35.1	100.0	-	-
Gen. Baccalaureate Universities:								
Elizabeth City	89.3	-	100.0	-	-	-	-	-
Pembroke	78.1	-	100.0	-	-	-	-	-
UNC-Asheville	86.0	-	-	-	-	-	-	-
Winston-Salem	69.0	-	85.1	-	-	-	-	-
SUBTOTAL	80.0	-	92.8	-	-	-	-	-

Instruction, Research & Public Service Subprograms

(Percentages relate to assignable space in each subprogram)

Table 25a

Inst. & Res. Ctrs.	Indiv. Project Res.	Direct Patient Care	Health Care Svc.	Commu-nity Svc.	Coop. Exten. Svc.	Public Broad. Svc.	INSTITUTION
21	22	31	32	33	34	35	
							Major Research Universities:
28.2	66.7	-	-	92.0	39.6	-	NC State
-	96.9	99.6	100.0	-	-	-	NC State Vet.
61.9	87.1	-	-	84.4	-	0.0	UNC-Chapel Hill
68.4	93.5	96.6	98.7	51.4	-	-	UNC-Health Aff.
64.3	79.5	97.9	99.3	87.3	39.6	0.0	SUBTOTAL
							Other Doctoral Universities:
-	97.3	-	-	-	0.0	-	UNC-Greensboro
							Comprehensive Universities:
-	98.2	-	-	81.7	-	-	Appalachian
0.0	79.1	-	-	100.0	-	0.0	East Carolina
-	100.0	100.0	100.0	100.0	-	-	ECU-Health Aff.
-	100.0	-	-	29.8	-	100.0	Fayetteville
100.0	62.8	-	-	25.4	3.3	0.0	NC A & T
0.0	8.6	-	-	100.0	-	-	NC Central
100.0	100.0	-	-	-	-	-	UNC-Charlotte
14.3	73.7	-	-	-	-	-	UNC-Wilmington
-	97.8	-	-	100.0	-	100.0	West'n Carolina
30.1	76.5	100.0	100.0	83.1	3.3	24.5	SUBTOTAL
							Gen. Baccalaureate Universities:
-	-	-	-	100.0	-	100.0	Elizabeth City
-	100.0	-	-	100.0	-	-	Pembroke
100.0	100.0	-	-	100.0	-	-	UNC-Asheville
-	31.7	-	-	0.0	-	100.0	Winston-Salem
100.0	60.2	-	-	96.1	-	100.0	SUBTOTAL

Instruction, Research & Public Service Subprograms

(Percentages relate to assignable space in each subprogram.)

Table 25a

INSTITUTION	Gen'l Acad. Instr. 11	Voc. Tech. Instr. 12	Prep. Remed. Instr. 13	Gen'l Studies 14	Occup. Relatd Instr. 15	Social Roles Instr. 16	Home & Family Life 17	Pers. Int. Leis. Instr. 18
Specialized Institution:								
NC Sch. of Arts	89.2	-	-	-	-	-	-	-
Teaching Hospitals:								
UNC Hosp. - C.H.	100.0	-	-	-	-	-	-	-
Community Colleges:								
SUBTOTAL	93.1	94.3	92.4	85.8	96.0	97.9	82.2	88.4
PRIVATE INSTITUTIONS								
Major Research Universities:								
SUBTOTAL	79.1	-	100.0	49.7	63.7	-	-	-
Gen. Baccalaureate Colleges:								
SUBTOTAL	57.4	82.1	42.6	100.0	0.0	-	-	-
Junior Colleges:								
SUBTOTAL	60.1	-	0.0	-	-	-	-	-
GRAND TOTAL	74.0	94.2	84.9	80.3	91.8	98.6	82.2	88.4

Instruction, Research & Public Service Subprograms

(Percentages relate to assignable space in each subprogram.)

Table 25a

Inst. & Res. Ctrs.	Indiv. Project Res.	Direct Patient Care	Health Care Svc.	Commu-nity Svc.	Coop. Exten. Svc.	Public Broad. Svc.	INSTITUTION
21	22	31	32	33	34	35	
							Specialized Institution:
-	-	-	-	100.0	-	-	NC Sch. of Arts
							Teaching Hospitals:
-	-	100.0	98.9	-	-	-	UNC Hosp. - C.H.
							Community Colleges:
-	100.0	-	-	94.5	100.0	100.0	SUBTOTAL
				PRIVATE INSTITUTIONS			
							Major Research Universities:
-	84.7	99.4	92.3	-	-	100.0	SUBTOTAL
							Gen. Baccalaureate Colleges:
-	62.8	-	-	25.3	-	-	SUBTOTAL
							Junior Colleges:
-	-	-	-	0.0	-	-	SUBTOTAL
53.0	81.4	99.5	95.1	88.1	36.3	30.6	GRAND TOTAL

Instruction, Research & Public Service Subprograms

(Percentages relate to assignable space in each subprogram)

Table 25a

INSTITUTION	Gen'l Acad. Instr. 11	Voc. Tech. Instr. 12	Prep. Remed. Instr. 13	Gen'l Studies 14	Occup. Relatd Instr. 15	Social Roles Instr. 16	Home & Family Life 17	Pers. Int. Leis. Instr. 18	Comm-nity Svc. 33
Community Colleges:									
Alamance CC	-	99.8	100.0	100.0	100.0	-	-	-	100.0
Anson CC	-	81.0	0.0	28.6	74.2	-	-	-	0.0
Ashev'le-Bun. TCC	-	86.8	-	45.3	97.5	-	-	-	100.0
Beaufort Co. CC	-	90.8	-	93.4	-	-	-	-	-
Bladen CC	-	95.3	-	100.0	88.9	100.0	100.0	-	-
Blue Ridge CC	-	99.3	-	100.0	100.0	-	-	-	100.0
Brunswick CC	-	78.4	100.0	100.0	39.7	-	100.0	-	100.0
Caldwell CC & TI	74.2	92.6	100.0	-	-	-	-	-	-
Cape Fear CC	100.0	97.8	-	100.0	100.0	-	-	-	100.0
Carteret CC	-	92.5	0.0	74.7	0.0	-	-	100.0	100.0
Catawba Vy. CC	100.0	87.9	-	100.0	100.0	-	-	100.0	100.0
C. Carolina CC	-	97.6	-	100.0	100.0	-	-	-	-
C. Piedmont CC	97.4	93.0	100.0	100.0	100.0	100.0	0.0	-	100.0
Cleveland CC	100.0	98.1	-	100.0	100.0	-	100.0	-	100.0
Coastal Car. CC	100.0	100.0	100.0	100.0	100.0	-	100.0	-	100.0
Col. Albemarle	100.0	99.8	100.0	100.0	100.0	-	-	-	100.0
Craven CC**	100.0	99.0	100.0	100.0	-	-	-	-	-
Davidson Co. CC	100.0	100.0	100.0	100.0	-	-	100.0	-	0.0
Durham TCC	100.0	100.0	-	48.7	100.0	-	-	-	100.0
Edgecombe CC	100.0	72.3	-	100.0	100.0	-	70.3	-	-
Fayettev'le TCC	-	92.0	-	100.0	-	-	-	-	100.0
Forsyth TCC	-	97.4	100.0	100.0	100.0	-	100.0	100.0	100.0
Gaston Col.	98.6	94.9	100.0	100.0	100.0	100.0	-	-	-
Guilford TCC*	100.0	80.6	89.0	31.3	97.7	100.0	-	54.0	100.0
Halifax CC	100.0	100.0	100.0	100.0	100.0	100.0	-	100.0	100.0
Haywood CC	-	81.9	-	100.0	93.5	-	-	100.0	100.0
Isothermal CC**	91.4	95.6	100.0	56.6	33.5	-	100.0	49.8	-
J. Sprunt CC	-	96.9	100.0	65.6	-	-	-	-	100.0
Johnston CC	-	99.7	-	100.0	-	-	-	-	0.0
Lenoir CC*	97.6	99.9	-	91.0	100.0	-	17.9	-	100.0

*34 (Coop. Exten. Svc.): Guilford TCC - 100.0, Lenoir CC - 100.0, Pitt CC - 100.0, Subtotal - 100.0.

Instruction, Research & Public Service Subprograms

(Percentages relate to assignable space in each subprogram.)

Table 25a

INSTITUTION	Gen'l Acad. Instr.	Voc. Tech. Instr.	Prep. Remed. Instr.	Gen'l Studies	Occup. Relatd Instr.	Social Roles Instr.	Home & Family Life	Pers. Int. Leis. Instr.	Comm-nity Svc.
	11	12	13	14	15	16	17	18	33
Community Colleges:									
Martin CC	95.0	98.8	-	100.0	-	-	-	-	-
Mayland CC	-	99.8	-	100.0	100.0	-	-	-	100.0
McDowell TCC	100.0	96.2	100.0	78.7	100.0	-	-	-	100.0
Mitchell CC	82.7	95.8	100.0	100.0	100.0	-	-	-	100.0
Montgomery CC	-	99.6	-	-	-	-	-	-	-
Nash CC	100.0	99.6	100.0	-	98.2	100.0	100.0	-	100.0
Pamlico CC	-	99.9	-	-	-	-	-	-	100.0
Piedmont CC	-	97.7	100.0	95.4	100.0	-	-	-	99.1
Pitt CC*	93.7	90.9	57.2	53.4	-	-	-	-	-
Randolph CC	-	100.0	-	100.0	100.0	-	-	-	-
Richmond CC	-	89.8	-	100.0	46.8	100.0	-	-	100.0
Roanoke-Cho. CC	-	100.0	100.0	100.0	100.0	-	-	100.0	100.0
Robeson CC	-	100.0	-	100.0	100.0	-	-	-	-
Rockingham CC	87.0	96.3	-	100.0	100.0	-	-	-	100.0
Rowan-Cab. CC	-	100.0	-	100.0	100.0	-	-	-	-
Sampson CC	-	96.1	100.0	100.0	-	-	100.0	-	-
Sandhills CC	95.5	96.5	100.0	82.9	84.5	0.0	-	-	0.0
Southeastern CC	83.0	75.5	0.0	82.7	-	-	-	-	25.0
Southwestern CC	-	100.0	-	100.0	-	-	-	100.0	-
Stanly CC**	-	100.0	-	-	100.0	-	-	-	-
Surry CC	79.3	95.8	100.0	100.0	100.0	-	-	-	100.0
Tri-County CC	100.0	100.0	-	91.4	-	-	100.0	0.0	-
Vance-Granv. CC	100.0	99.2	100.0	100.0	100.0	-	-	-	100.0
Wake TCC	-	92.5	100.0	100.0	100.0	-	-	-	-
Wayne CC	61.2	96.9	-	98.2	100.0	-	-	-	100.0
W. Piedmont CC	97.9	99.4	-	86.4	100.0	-	-	-	100.0
Wilkes CC	100.0	97.2	-	100.0	-	-	-	-	0.0
Wilson Co. TC	-	100.0	100.0	100.0	100.0	-	100.0	-	100.0
TOTAL	93.1	94.3	92.4	85.8	96.0	97.9	82.2	88.4	94.5

**35 (Public Broad. Svc.): Craven CC - 100.0, Isothermal CC - 100.0, Stanly CC - 100.0, Subtotal - 100.0.

Academic Support Subprograms

(Percentages relate to assignable space in each subprogram)

Table 25b

INSTITUTION	Libr. Svcs. 41	Museum & Galleries 42	Educ. Media Svcs. 43	Acad. Comput. Spt. 44	Ancil-lary Spt. 45	Acad. Admin. 46	Course & Curr. Devel. 47	Acad. Pers. Dev. 48
Major Research Universities:								
NC State	98.1	-	93.2	78.7	100.0	78.4	-	-
NC State Vet.	96.9	-	85.3	100.0	-	100.0	-	-
UNC-Chapel Hill	82.1	-	69.8	82.5	0.0	59.5	-	100.0
UNC-Health Aff.	100.0	-	92.1	96.4	1.8	91.4	98.4	100.0
SUBTOTAL	86.8	-	84.2	81.2	14.2	77.6	98.4	100.0
Other Doctoral Universities:								
UNC-Greensboro	99.8	100.0	100.0	100.0	85.8	74.3	-	-
Comprehensive Universities:								
Appalachian	100.0	100.0	100.0	94.2	24.9	77.1	100.0	100.0
East Carolina	100.0	98.4	100.0	100.0	100.0	86.7	-	-
ECU-Health Aff.	100.0	-	100.0	-	100.0	100.0	-	-
Fayetteville	100.0	85.3	3.2	100.0	0.0	90.0	-	-
NC A & T	99.7	77.6	100.0	100.0	57.2	68.4	-	-
NC Central	99.1	76.6	84.7	36.7	8.8	45.7	-	-
UNC-Charlotte	100.0	100.0	100.0	100.0	-	99.9	-	-
UNC-Wilmington	99.1	-	-	0.0	-	78.0	-	-
West'n Carolina	100.0	98.9	100.0	100.0	96.9	94.1	-	-
SUBTOTAL	99.7	93.6	87.5	76.2	73.5	79.3	100.0	100.0
Gen. Baccalaureate Universities:								
Elizabeth City	100.0	100.0	100.0	100.0	90.4	89.5	-	-
Pembroke	35.7	100.0	100.0	100.0	-	92.9	-	-
UNC-Asheville	100.0	100.0	100.0	100.0	-	100.0	-	-
Winston-Salem	12.0	0.0	93.0	100.0	16.2	64.7	-	-
SUBTOTAL	67.8	71.1	99.3	100.0	68.0	76.8	-	-

Academic Support Subprograms

(Percentages relate to assignable space in each subprogram)

Table 25b

INSTITUTION	Libr. Svcs. 41	Museum & Galleries 42	Educ. Media Svcs. 43	Acad. Comput. Spt. 44	Ancil-lary Spt. 45	Acad. Admin. 46	Course & Curr. Devel. 47	Acad. Pers. Dev. 48
Specialized Institution:								
NC Sch. of Arts	100.0	59.2	100.0	100.0	100.0	67.3	-	-
Teaching Hospitals:								
UNC Hosp. at C.H.	-	-	-	-	-	-	-	-
Community Colleges:								
SUBTOTAL	97.5	98.3	96.1	100.0	90.9	94.6	100.0	100.0
PRIVATE INSTITUTIONS								
Major Research Universities:								
SUBTOTAL	94.2	37.8	94.7	92.8	71.0	81.3	-	100.0
Gen. Baccalaureate Colleges:								
SUBTOTAL	75.7	80.0	76.2	67.8	39.4	55.9	-	100.0
Junior Colleges:								
SUBTOTAL	71.1	39.7	-	59.0	-	40.2	-	-
GRAND TOTAL	90.1	80.3	91.3	86.3	71.9	79.7	99.6	100.0

Academic Support Subprograms

(Percentages relate to assignable space in each subprogram.)

Table 25b

INSTITUTION	Libr. Svcs. 41	Museum & Galleries 42	Educ. Media Svcs. 43	Acad. Comput. Spt. 44	Ancil-lary Spt. 45	Acad. Admin. 46	Course & Curr. Devel. 47	Acad. Pers. Dev. 48
Community Colleges:								
Alamance CC	100.0	-	100.0	100.0	100.0	100.0	-	-
Anson CC	100.0	-	100.0	-	-	19.8	-	-
Ashev'le-Bun. TCC	100.0	-	100.0	100.0	-	62.1	-	-
Beaufort Co. CC	100.0	-	100.0	-	-	91.3	100.0	-
Bladen CC	100.0	-	100.0	-	-	100.0	-	-
Blue Ridge CC	100.0	100.0	100.0	-	-	100.0	-	-
Brunswick CC	100.0	-	100.0	-	100.0	100.0	-	-
Caldwell CC & TI	100.0	-	100.0	-	-	100.0	-	-
Cape Fear CC	100.0	-	100.0	-	-	100.0	-	-
Carteret CC	100.0	-	100.0	-	-	36.0	-	-
Catawba Vy. CC	100.0	100.0	100.0	-	100.0	100.0	-	-
C. Carolina CC	97.4	-	100.0	-	-	100.0	-	-
C. Piedmont CC	100.0	-	88.2	-	67.5	100.0	-	-
Cleveland CC	100.0	100.0	100.0	-	-	100.0	-	-
Coastal Car. CC	100.0	100.0	100.0	100.0	-	100.0	-	-
Col. Albemarle	100.0	100.0	100.0	-	-	100.0	-	-
Craven CC	100.0	-	100.0	-	-	100.0	-	-
Davidson Co. CC	98.5	-	100.0	100.0	100.0	100.0	-	-
Durham TCC	100.0	-	100.0	-	-	94.8	100.0	-
Edgecombe CC	94.2	-	87.6	100.0	-	93.1	-	-
Fayettev'le TCC	98.7	-	100.0	-	-	99.8	-	-
Forsyth TCC	100.0	-	81.3	100.0	-	100.0	-	-
Gaston Col.	100.0	100.0	-	100.0	41.1	100.0	-	-
Guilford TCC	91.8	-	100.0	-	-	66.4	100.0	-
Halifax CC	100.0	-	100.0	-	-	100.0	-	-
Haywood CC	100.0	100.0	50.4	-	100.0	100.0	-	-
Isothermal CC	0.0	-	100.0	-	99.1	100.0	-	-
J. Sprunt CC	100.0	-	-	-	-	100.0	-	100.0
Johnston CC	100.0	-	100.0	-	-	100.0	-	-
Lenoir CC	99.8	100.0	100.0	-	-	89.2	-	-

Academic Support Subprograms

(Percentages relate to assignable space in each subprogram.)

Table 25b

INSTITUTION	Libr. Svcs. 41	Museum & Galleries 42	Educ. Media Svcs. 43	Acad. Comput. Spt. 44	Ancil-lary Spt. 45	Acad. Admin. 46	Course & Curr. Devel. 47	Acad. Pers. Dev. 48
Community Colleges:								
Martin CC	100.0	-	-	-	-	89.3	-	-
Mayland CC	100.0	-	100.0	-	-	100.0	-	-
McDowell TCC	100.0	100.0	-	100.0	100.0	100.0	-	-
Mitchell CC	99.7	83.9	100.0	-	-	100.0	-	-
Montgomery CC	100.0	-	-	-	93.7	100.0	-	-
Nash CC	100.0	-	-	-	-	100.0	-	-
Pamlico CC	100.0	-	100.0	100.0	-	100.0	-	-
Piedmont CC	100.0	-	100.0	100.0	-	100.0	-	-
Pitt CC	100.0	-	100.0	-	95.6	100.0	100.0	-
Randolph CC	100.0	-	100.0	-	-	100.0	-	-
Richmond CC	93.5	-	100.0	100.0	-	100.0	-	-
Roanoke-Cho. CC	100.0	-	-	-	-	100.0	-	-
Robeson CC	100.0	-	100.0	-	-	100.0	-	-
Rockingham CC	100.0	100.0	100.0	-	-	100.0	-	-
Rowan-Cab. CC	100.0	-	100.0	100.0	-	100.0	-	-
Sampson CC	100.0	-	-	-	-	100.0	-	-
Sandhills CC	99.8	100.0	100.0	-	-	94.3	-	-
Southeastern CC	79.8	-	100.0	100.0	100.0	100.0	-	-
Southwestern CC	100.0	-	100.0	-	-	100.0	-	-
Stanly CC	100.0	-	100.0	-	-	100.0	-	-
Surry CC	100.0	-	100.0	100.0	-	100.0	-	-
Tri-County CC	81.9	-	-	-	-	100.0	-	-
Vance-Granv. CC	100.0	-	-	100.0	100.0	100.0	-	-
Wake TCC	100.0	-	96.9	100.0	-	100.0	-	-
Wayne CC	100.0	-	100.0	-	-	100.0	100.0	-
W. Piedmont CC	100.0	-	75.6	-	-	100.0	-	-
Wilkes CC	100.0	100.0	100.0	-	100.0	100.0	-	-
Wilson Co. TC	100.0	-	100.0	-	100.0	100.0	-	-
TOTAL	97.5	98.3	96.1	100.0	90.9	94.6	100.0	100.0

Student Service and Physical Plant Operations Subprograms

Table 25c

(Percentages relate to assignable space in each subprogram.)

INSTITUTION	Stud. Svc. Admin. 51	Social/ Cultur. Devel. 52	Coun/ Career Guid. 53	Finan. Aid Admin. 54	Student Auxiliary Service 55	Inter-colleg. Athl. 56	Stud. Health/ Med. Svc. 57	Physical Plant Admin. 71	Build-ing Maint. 72	Custo-dial Svcs. 73	Util-ities 74	Landscp. Grounds Maint. 75
Major Research Universities:												
NC State	100.0	85.0	84.8	100.0	14.7	62.1	98.2	65.0	90.6	21.8	13.0	21.2
NC State Vet.	-	100.0	-	-	93.0	-	-	-	100.0	100.0	-	-
UNC-Chapel Hill	0.0	88.3	70.8	0.0	15.7	89.1	96.2	100.0	82.7	67.5	58.7	77.8
UNC-Health Aff.	100.0	100.0	100.0	100.0	100.0	-	-	-	-	90.5	-	-
SUBTOTAL	51.7	86.7	78.8	41.6	15.6	81.1	96.7	80.0	86.8	71.3	37.5	63.1
Other Doctoral Universities:												
UNC-Greensboro	93.3	86.4	46.6	92.9	30.3	98.7	97.7	87.9	96.2	-	100.0	-
Comprehensive Universities:												
Appalachian	60.7	78.4	94.1	100.0	20.6	82.3	99.6	52.7	70.3	100.0	100.0	-
East Carolina	0.0	70.2	84.6	100.0	7.7	81.8	0.0	16.3	69.9	0.0	-	-
ECU-Health Aff.	-	-	-	-	-	-	43.1	100.0	9.1	-	-	-
Fayetteville	100.0	37.8	100.0	100.0	8.7	41.6	0.0	-	0.0	-	-	100.0
NC A & T	100.0	69.2	100.0	57.4	10.4	28.3	100.0	100.0	82.8	100.0	0.0	100.0
NC Central	0.0	44.0	23.7	0.0	9.4	0.0	0.0	0.0	0.0	-	-	0.0
UNC-Charlotte	100.0	94.7	100.0	100.0	67.9	93.9	92.2	100.0	100.0	100.0	-	-
UNC-Wilmington	97.8	78.6	95.4	100.0	17.7	49.0	99.5	100.0	94.9	-	85.3	-
West'n Carolina	100.0	98.2	100.0	100.0	36.8	89.7	41.6	43.5	38.7	75.7	100.0	-
SUBTOTAL	72.7	75.4	88.1	80.8	25.2	58.8	64.6	56.7	59.0	59.1	88.8	83.4
Gen. Baccalaureate Universities:												
Elizabeth City	100.0	98.8	100.0	65.2	27.2	92.4	0.0	100.0	100.0	-	-	-
Pembroke	86.9	74.8	100.0	100.0	26.8	100.0	78.2	100.0	97.3	71.0	-	100.0
UNC-Asheville	100.0	99.4	100.0	100.0	76.1	0.0	86.9	100.0	100.0	100.0	100.0	100.0
Winston-Salem	84.6	95.9	83.9	93.6	31.5	73.7	0.0	100.0	91.9	-	100.0	-
SUBTOTAL	91.1	89.5	97.2	86.1	39.1	63.3	30.4	100.0	95.8	95.5	100.0	100.0
Specialized Institution:												
NC Sch. of Arts	0.0	90.0	0.0	100.0	21.5	-	0.0	97.0	100.0	-	-	-
Teaching Hospitals:												
UNC Hosp. at C. Hill	-	-	-	-	-	-	-	-	100.0	-	-	-
Community Colleges:												
SUBTOTAL	94.7	92.8	95.0	97.5	98.6	97.2	82.4	88.0	79.7	94.2	100.0	85.7
PRIVATE INSTITUTIONS												
Major Research Universities:												
SUBTOTAL	99.6	71.5	35.0	68.7	22.6	82.4	24.0	48.2	43.8	89.8	17.8	0.0
Gen. Baccalaureate Colleges:												
SUBTOTAL	65.6	53.4	31.1	23.9	25.8	72.4	50.0	34.3	39.2	13.9	67.6	18.6
Junior Colleges:												
SUBTOTAL	56.2	72.2	61.3	9.0	36.8	55.3	37.5	88.0	78.9	31.6	-	100.0
GRAND TOTAL	77.9	72.4	79.7	66.7	26.7	75.0	62.7	63.9	62.3	62.3	43.5	59.2

Student Service and Physical Plant Operations Subprograms

Table 25c

(Percentages relate to assignable space in each subprogram.)

INSTITUTION	Stud. Svc. Admin. 51	Social/ Cultur. Devel. 52	Coun/ Career Guid. 53	Finan. Aid Admin. 54	Student Auxiliary Service 55	Inter-colleg. Athl. 56	Stud. Health/ Med. Svc. 57	Physical Plant Admin. 71	Build-ing Maint. 72	Custo-dial Svcs. 73	Util-ities 74	Landscp. Grounds Maint. 75
Community Colleges:												
Alamance CC	100.0	100.0	100.0	100.0	100.0	-	-	100.0	100.0	-	-	-
Anson CC	100.0	77.3	-	100.0	100.0	-	-	-	100.0	-	-	-
Asheville-Bun. TCC	100.0	100.0	100.0	100.0	100.0	-	-	93.3	100.0	100.0	-	100.0
Beaufort Co. CC	100.0	80.8	38.1	100.0	100.0	-	-	-	100.0	-	-	-
Bladen CC	100.0	95.7	100.0	-	100.0	-	-	-	100.0	-	-	-
Blue Ridge CC	100.0	99.4	100.0	100.0	100.0	-	-	-	100.0	-	-	100.0
Brunswick CC	89.0	100.0	100.0	100.0	100.0	-	-	-	100.0	-	-	-
Caldwell CC & TI	100.0	100.0	67.9	100.0	100.0	-	-	-	100.0	-	-	100.0
Cape Fear CC	100.0	100.0	100.0	100.0	79.7	-	-	-	-	-	-	-
Carteret CC	100.0	82.4	100.0	100.0	100.0	-	-	0.0	0.0	-	-	-
Catawba Vy. CC	100.0	100.0	100.0	100.0	100.0	-	-	-	-	-	-	-
C. Carolina CC	100.0	100.0	100.0	100.0	100.0	-	45.7	97.1	-	-	-	-
C. Piedmont CC	100.0	97.4	100.0	100.0	100.0	-	-	15.1	96.4	64.5	-	0.0
Cleveland CC	100.0	100.0	100.0	100.0	100.0	-	-	100.0	0.0	-	-	-
Coastal Car. CC	100.0	100.0	100.0	100.0	100.0	-	-	-	100.0	-	-	-
Col. Albemarle	100.0	100.0	100.0	100.0	100.0	-	-	-	100.0	-	-	-
Craven CC	100.0	100.0	100.0	100.0	100.0	-	-	-	-	-	-	-
Davidson Co. CC	100.0	95.2	100.0	100.0	100.0	-	-	100.0	100.0	-	-	-
Durham TCC	100.0	89.7	100.0	100.0	100.0	-	-	-	99.0	100.0	-	0.0
Edgecombe CC	100.0	100.0	75.0	-	100.0	-	-	-	0.0	-	-	-
Fayettev'le TCC	100.0	94.7	100.0	100.0	100.0	-	100.0	-	0.0	100.0	-	-
Forsyth TCC	-	100.0	100.0	100.0	97.9	-	-	100.0	100.0	-	-	-
Gaston Col.	100.0	89.5	100.0	100.0	98.8	-	100.0	-	100.0	-	-	-
Guilford TCC	91.3	92.0	50.6	100.0	89.0	-	100.0	-	4.6	100.0	-	-
Halifax CC	-	100.0	100.0	100.0	100.0	-	-	100.0	78.1	-	-	-
Haywood CC	100.0	100.0	-	100.0	100.0	-	-	100.0	100.0	100.0	-	98.4
Isothermal CC	100.0	44.3	100.0	-	95.4	-	-	100.0	100.0	100.0	100.0	-
J. Sprunt CC	100.0	88.9	100.0	100.0	100.0	-	-	-	65.3	-	-	-
Johnston CC	100.0	100.0	100.0	100.0	100.0	-	-	-	100.0	100.0	-	-
Lenoir CC	100.0	100.0	100.0	100.0	100.0	100.0	-	-	100.0	-	-	-
Martin CC	53.7	95.4	100.0	100.0	100.0	-	-	100.0	100.0	-	-	-
Mayland CC	100.0	100.0	100.0	-	100.0	-	-	-	100.0	-	-	-
McDowell TCC	100.0	-	100.0	100.0	96.1	-	100.0	-	100.0	-	-	100.0
Mitchell CC	39.8	44.2	100.0	100.0	96.6	-	-	-	11.9	-	-	-
Montgomery CC	100.0	100.0	100.0	100.0	100.0	-	-	-	100.0	-	-	-
Nash CC	100.0	100.0	100.0	100.0	100.0	-	-	-	100.0	100.0	-	-
Pamlico CC	100.0	-	100.0	-	100.0	-	-	-	0.0	-	-	-
Piedmont CC	100.0	100.0	100.0	-	100.0	-	-	-	100.0	-	-	-
Pitt CC	48.9	64.2	100.0	0.0	100.0	0.0	-	-	100.0	100.0	-	-
Randolph CC	100.0	100.0	100.0	100.0	100.0	-	-	100.0	100.0	-	-	-
Richmond CC	100.0	100.0	100.0	100.0	83.1	-	100.0	-	0.0	-	-	-
Roanoke-Cho. CC	100.0	100.0	100.0	100.0	100.0	-	-	-	-	-	-	100.0
Robeson CC	100.0	76.3	100.0	100.0	100.0	-	-	-	100.0	-	-	-
Rockingham CC	100.0	98.9	100.0	100.0	99.3	-	-	100.0	100.0	-	-	100.0
Rowan-Cab. CC	100.0	-	100.0	100.0	100.0	-	-	-	100.0	-	-	-
Sampson CC	100.0	100.0	100.0	100.0	100.0	-	-	-	-	-	-	-
Sandhills CC	100.0	95.0	100.0	100.0	99.9	-	-	-	96.3	100.0	100.0	100.0
Southeastern CC	100.0	92.7	94.0	100.0	100.0	-	-	100.0	100.0	-	-	-
Southwestern CC	100.0	100.0	100.0	100.0	100.0	-	-	-	0.0	-	-	-
Stanly CC	100.0	100.0	100.0	100.0	100.0	-	-	100.0	100.0	-	-	-
Surry CC	100.0	86.8	100.0	100.0	100.0	-	-	100.0	100.0	-	-	-
Tri-County CC	100.0	100.0	100.0	100.0	100.0	-	-	-	-	-	-	-
Vance-Granv. CC	100.0	-	91.3	100.0	100.0	-	-	-	100.0	-	-	-
Wake TCC	100.0	97.0	100.0	100.0	100.0	-	100.0	100.0	58.3	-	-	100.0
Wayne CC	100.0	99.0	100.0	100.0	97.4	-	100.0	-	100.0	-	-	-
W. Piedmont CC	95.0	100.0	100.0	100.0	100.0	-	100.0	100.0	0.0	100.0	-	0.0
Wilkes CC	100.0	91.2	100.0	100.0	100.0	-	-	100.0	100.0	100.0	-	-
Wilson Co. TC	100.0	100.0	100.0	100.0	100.0	-	0.0	100.0	100.0	-	-	-
TOTAL	94.7	92.8	95.0	97.5	98.6	97.2	82.4	88.0	79.7	94.2	100.0	85.7

Table 25d

Institutional Administration, Independent Operations & Unassigned Subprograms

(Percentages relate to assignable space in each subprogram.)

INSTITUTION	Exec. Mgmt.	Fin. Mgmt. & Opns.	Gen. Adm. Log. Svc.	Admin. Comput. Spt.	Fac/Staff Aux. Svcs.	Public Rela/ Devel.	Stud. Recruit. Admiss.	Stud. Recd.	Indep. Opns. Inst.	Indep. Opns. Ext. Agency	Unassigned Usable	Unassigned Unusable
	61	62	63	64	65	66	67	68	91	92	01	02
Major Research Universities:												
NC State	14.0	68.4	72.4	100.0	31.3	1.7	96.4	100.0	16.1	40.9	100.0	40.7
NC State Vet.	-	-	100.0	-	-	100.0	-	-	-	-	-	-
UNC-Chapel Hill	14.7	56.6	82.9	92.0	0.0	13.9	52.2	98.2	40.0	88.2	3.8	82.7
UNC-Health Aff.	-	100.0	100.0	95.9	100.0	100.0	-	100.0	36.2	98.5	79.3	83.8
SUBTOTAL	14.5	62.1	79.4	95.4	8.2	14.4	69.2	98.8	36.8	87.1	30.1	74.6
Other Doctoral Universities:												
UNC-Greensboro	80.9	80.8	80.3	0.0	0.0	0.0	97.0	-	-	-	-	54.0
Comprehensive Universities:												
Appalachian	93.6	100.0	50.1	97.8	15.3	93.4	59.8	97.3	-	100.0	66.4	-
East Carolina	53.9	57.8	47.3	53.8	5.1	48.3	100.0	100.0	-	100.0	34.2	100.0
ECU-Health Aff.	-	-	-	-	-	-	-	-	-	-	-	-
Fayetteville	100.0	100.0	85.7	-	15.6	100.0	100.0	100.0	0.0	0.0	-	-
NC A & T	79.2	90.9	96.2	100.0	56.4	91.8	100.0	100.0	-	0.0	0.0	0.0
NC Central	0.0	0.0	9.6	0.0	35.8	0.0	0.0	0.0	-	0.0	4.2	0.0
UNC-Charlotte	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	-	-	-	-
UNC-Wilmington	58.9	43.3	91.2	0.0	0.0	66.1	98.6	95.1	-	33.1	-	27.9
West'n Carolina	78.2	100.0	91.3	97.3	2.0	97.8	78.2	100.0	-	25.8	7.0	55.0
SUBTOTAL	74.4	77.4	69.6	61.9	17.3	72.4	80.8	91.4	0.0	27.1	10.1	38.2
Gen. Baccalaureate Universities:												
Elizabeth City	99.7	100.0	96.3	100.0	15.8	100.0	100.0	100.0	-	100.0	100.0	-
Pembroke	100.0	100.0	27.6	100.0	92.8	100.0	11.3	100.0	-	-	0.0	100.0
UNC-Asheville	34.9	82.6	76.8	100.0	23.5	100.0	100.0	100.0	-	87.3	-	-
Winston-Salem	51.4	9.5	17.4	-	55.7	0.0	0.0	100.0	-	100.0	87.6	96.0
SUBTOTAL	72.9	66.6	51.6	100.0	42.0	67.7	48.9	100.0	-	90.7	88.4	98.3
Specialized Institution:												
NC Sch. of Arts	27.6	100.0	70.8	100.0	17.6	49.8	100.0	100.0	100.0	-	-	100.0
Teaching Hospitals:												
UNC Hosp. at C. Hill	-	-	100.0	-	-	-	-	-	-	-	100.0	100.0
Community Colleges:												
SUBTOTAL	94.9	97.9	84.8	95.6	77.9	92.5	97.0	98.9	97.9	98.9	80.7	84.1
PRIVATE INSTITUTIONS												
Major Research Universities:												
SUBTOTAL	84.7	87.6	62.6	99.9	5.3	31.5	45.7	83.7	53.8	93.0	2.0	90.1
Gen. Baccalaureate Colleges:												
SUBTOTAL	47.3	49.9	35.8	31.4	7.8	25.3	41.8	47.2	0.5	14.3	13.1	11.1
Junior Colleges:												
SUBTOTAL	42.4	45.5	62.7	0.0	2.9	44.6	38.0	31.9	-	-	0.0	0.0
GRAND TOTAL	70.8	75.5	67.4	72.2	12.4	39.4	63.3	84.2	43.6	74.4	44.1	65.5

Table 25d

Institutional Administration, Independent Operations & Unassigned Subprograms

(Percentages relate to assignable space in each subprogram.)

INSTITUTION	Exec. Mgmt.	Fin. Mgmt. & Opns.	Gen. Adm. Log. Svc.	Admin. Comput. Spt.	Fac/Staff Aux. Svcs.	Public Rela/ Devel.	Stud. Recruit. Admiss.	Stud. Recd.	Indep. Opns. Inst.	Indep. Opns. Ext. Agency	Unassigned Usable	Unassigned Unusable
	61	62	63	64	65	66	67	68	91	92	01	02
Community Colleges:												
Alamance CC	98.7	100.0	100.0	100.0	43.5	100.0	100.0	100.0	-	-	100.0	100.0
Anson CC	100.0	100.0	100.0	0.0	-	-	-	-	-	-	100.0	-
Asheville-Bun. TCC	5.6	100.0	81.0	0.0	63.6	-	100.0	100.0	-	-	-	86.1
Beaufort Co. CC	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	-	-	-	-
Bladen CC	98.4	100.0	100.0	100.0	100.0	-	-	100.0	-	100.0	100.0	100.0
Blue Ridge CC	100.0	100.0	100.0	0.0	100.0	100.0	-	100.0	-	100.0	-	-
Brunswick CC	100.0	79.6	100.0	100.0	100.0	100.0	100.0	100.0	-	100.0	100.0	0.0
Caldwell CC & TI	100.0	100.0	100.0	100.0	-	100.0	100.0	100.0	-	-	100.0	-
Cape Fear CC	100.0	100.0	98.7	100.0	-	100.0	-	100.0	-	35.8	-	-
Carteret CC	100.0	100.0	100.0	100.0	100.0	-	-	100.0	-	100.0	-	0.0
Catawba Vy. CC	100.0	100.0	37.2	100.0	100.0	100.0	-	100.0	-	100.0	-	100.0
C. Carolina CC	98.2	100.0	100.0	-	100.0	-	-	100.0	-	-	-	-
C. Piedmont CC	100.0	84.5	94.2	100.0	47.5	100.0	100.0	100.0	-	-	-	100.0
Cleveland CC	100.0	100.0	100.0	-	100.0	100.0	100.0	100.0	-	-	77.6	-
Coastal Car. CC	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	-	-	-	-
Col. Albemarle	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	-	-	-	-
Craven CC	100.0	100.0	100.0	-	100.0	100.0	-	100.0	-	-	-	-
Davidson Co. CC	100.0	100.0	100.0	100.0	98.6	100.0	100.0	100.0	-	-	-	-
Durham TCC	100.0	93.6	88.1	100.0	100.0	100.0	68.7	100.0	-	100.0	100.0	-
Edgecombe CC	100.0	100.0	100.0	-	100.0	-	100.0	100.0	-	-	-	-
Fayettev'le TCC	100.0	100.0	52.5	82.0	100.0	100.0	100.0	100.0	-	-	-	96.4
Forsyth TCC	99.2	100.0	100.0	100.0	100.0	100.0	100.0	85.8	-	100.0	100.0	-
Gaston Col.	60.6	100.0	53.0	-	100.0	100.0	100.0	100.0	-	-	100.0	-
Guilford TCC	98.7	84.9	61.1	100.0	86.1	100.0	89.5	100.0	100.0	100.0	42.9	-
Halifax CC	93.1	100.0	98.9	100.0	86.5	100.0	100.0	100.0	-	100.0	-	-
Haywood CC	100.0	100.0	100.0	100.0	100.0	-	100.0	100.0	100.0	100.0	-	-
Isothermal CC	69.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	-	-	-	-
J. Sprunt CC	100.0	100.0	100.0	-	-	-	-	100.0	-	-	-	-
Johnston CC	96.1	100.0	97.9	100.0	82.2	-	100.0	100.0	-	-	-	-
Lenoir CC	100.0	100.0	100.0	100.0	100.0	-	100.0	100.0	-	-	-	100.0
Martin CC	100.0	93.5	100.0	100.0	78.6	-	-	100.0	-	57.0	-	-
Mayland CC	100.0	100.0	91.4	100.0	-	-	100.0	93.5	-	-	100.0	-
McDowell TCC	95.3	97.9	95.4	100.0	0.0	48.3	-	100.0	-	-	-	-
Mitchell CC	100.0	100.0	30.1	-	100.0	52.2	100.0	100.0	-	100.0	37.0	-
Montgomery CC	97.3	100.0	100.0	-	-	-	100.0	100.0	-	-	-	-
Nash CC	98.4	100.0	95.3	100.0	78.5	100.0	100.0	100.0	-	-	-	-
Pamlico CC	100.0	94.3	100.0	100.0	-	-	-	100.0	-	-	-	-
Piedmont CC	98.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	-	100.0	-	-
Pitt CC	96.8	100.0	76.1	100.0	100.0	100.0	0.0	96.9	-	-	0.0	-
Randolph CC	100.0	100.0	100.0	100.0	100.0	100.0	-	100.0	-	-	100.0	-
Richmond CC	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	-	-	100.0	-
Roanoke-Cho. CC	97.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	-	-	62.9	-
Robeson CC	98.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	-	-	-	-
Rockingham CC	98.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	-	100.0	100.0	100.0
Rowan-Cab. CC	100.0	100.0	100.0	-	100.0	-	100.0	100.0	-	-	-	-
Sampson CC	97.3	100.0	100.0	100.0	-	-	100.0	100.0	-	-	-	100.0
Sandhills CC	97.2	100.0	87.8	100.0	4.7	-	100.0	100.0	-	-	-	99.8
Southeastern CC	100.0	100.0	100.0	0.0	-	0.0	100.0	100.0	-	-	-	-
Southwestern CC	100.0	94.6	100.0	-	-	100.0	100.0	100.0	-	100.0	-	-
Stanly CC	100.0	100.0	96.8	100.0	-	100.0	100.0	100.0	-	-	-	-
Surry CC	96.6	96.7	100.0	100.0	82.1	100.0	100.0	-	-	-	-	-
Tri-County CC	100.0	100.0	58.0	100.0	100.0	-	-	100.0	-	-	-	-
Vance-Granv. CC	100.0	100.0	52.1	-	100.0	100.0	100.0	100.0	-	-	100.0	-
Wake TCC	100.0	100.0	50.2	100.0	100.0	100.0	100.0	85.2	-	-	-	74.8
Wayne CC	100.0	100.0	98.6	100.0	100.0	100.0	100.0	100.0	-	-	100.0	91.2
W. Piedmont CC	100.0	100.0	100.0	100.0	-	100.0	100.0	100.0	-	-	-	100.0
Wilkes CC	97.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	96.7	-	-	-
Wilson Co. TC	100.0	100.0	49.8	-	100.0	100.0	100.0	100.0	-	-	-	-
TOTAL	94.9	97.9	84.8	95.6	77.9	92.5	97.0	98.9	97.9	98.9	80.7	84.1

TABLE 26:
ACCESSIBLE AREA BY ROOM CODES

Table 26 indicates for each of the ten summary room codes the amount and percentage of assignable area which is accessible to mobility impaired persons. It represents an additional source of information which, when viewed in conjunction with Tables 25-25d, creates a detailed profile of the accessible space on a campus.

Although such information can be useful to campus administrators in attempting to ensure that all programs are accessible to the mobility impaired, no absolute conclusions can be drawn from the data as to whether program accessibility has been achieved. It is clear, for example, that program accessibility does not require that an institution make all of its classrooms accessible. Instead, the institution can simply insure that courses taken by mobility impaired students be scheduled in rooms which are accessible to them.

Dashes in Table 26 indicate that the institution in question did not have any assignable area under the indicated summary room code. A "0" in the "Sq. Ft." column (with an accompanying "0.0" in the "%" column) indicates that the institution did have *assignable* area under the indicated summary room code but that none of it was *accessible*. The chart on page 118 lists all of the room codes which comprise the summary codes used in this table.

Table 26

Accessible Area by Room Code

(Percentages relate to assignable space under each room code.)

INSTITUTION	Total Accessible Area		Classroom Facilities (100)		Laboratory Facilities (200)		Office Facilities (300)		Study Facilities (400)	
	Sq. Ft.	%	Sq. Ft.	%	Sq. Ft.	%	Sq. Ft.	%	Sq. Ft.	%
Major Research Universities:										
NC State	2,284,457	54.3	167,210	80.7	645,091	72.3	626,620	73.1	159,856	91.4
NC State Vet.	201,747	90.6	7,567	98.0	46,828	95.4	31,019	98.1	12,895	97.2
UNC-Chapel Hill	2,708,858	59.5	172,806	78.4	321,605	84.3	558,794	69.4	487,712	78.6
UNC-Health Aff.	1,144,508	92.6	51,534	95.6	406,275	94.3	417,746	90.0	63,263	99.5
SUBTOTAL	6,339,570	62.0	399,117	81.6	1,419,799	80.9	1,634,179	75.7	723,726	83.0
Other Doctoral Universities:										
UNC-Greensboro	1,190,312	66.1	121,368	98.3	159,720	90.8	258,620	80.3	142,009	97.5
Comprehensive Universities:										
Appalachian	1,066,989	55.8	107,696	82.2	145,006	94.6	225,228	77.9	108,355	99.7
East Carolina	1,049,500	49.9	146,818	76.4	218,065	81.8	237,644	70.2	119,037	98.2
ECU-Health Aff.	359,712	93.9	30,381	100.0	119,175	99.9	99,247	97.8	39,081	100.0
Fayetteville	267,075	48.0	24,248	59.3	46,530	77.5	69,721	80.0	55,012	93.7
NC A & T	724,659	50.7	79,390	67.1	136,033	58.6	181,147	71.0	52,878	92.3
NC Central	403,795	39.8	64,724	61.7	40,788	48.1	69,806	41.7	94,750	86.6
UNC-Charlotte	1,263,236	85.0	85,199	99.5	210,764	98.5	241,620	99.9	104,189	100.0
UNC-Wilmington	531,650	57.0	59,268	92.1	59,492	80.8	121,556	77.0	114,522	98.9
West'n Carolina	1,039,861	66.6	84,315	90.2	121,199	96.6	168,670	82.1	117,192	100.0
SUBTOTAL	6,706,477	58.9	682,039	79.2	1,097,052	82.5	1,414,639	76.7	805,016	96.8
Gen. Baccalaureate Universities:										
Elizabeth City	346,901	66.8	27,409	85.0	42,763	91.7	66,624	92.4	33,151	89.6
Pembroke	282,887	61.2	37,331	82.5	20,303	77.5	59,002	85.4	13,956	47.8
UNC-Asheville	347,723	82.7	30,052	96.4	57,725	96.8	58,747	87.8	36,410	99.4
Winston-Salem	319,758	55.2	38,902	64.0	18,695	42.0	51,340	56.3	9,035	27.6
SUBTOTAL	1,297,269	65.4	133,694	78.9	139,486	78.8	235,713	78.7	92,552	68.3
Specialized Institution:										
NC Sch. of Arts	292,542	70.9	15,429	100.0	101,284	94.1	31,223	72.0	17,677	94.9
Teaching Hospitals:										
UNC Hosp. at C. Hill	703,530	99.3	228	100.0	88	100.0	200,206	98.5	5,418	100.0
Community Colleges:										
SUBTOTAL	8,020,971	93.5	1,421,030	93.3	2,841,652	94.9	1,217,431	94.1	709,386	96.7
PRIVATE INSTITUTIONS										
Major Research Universities:										
SUBTOTAL	4,941,222	66.3	194,322	78.8	816,299	89.9	1,278,763	81.4	535,741	93.2
Gen. Baccalaureate Colleges:										
SUBTOTAL	4,493,269	40.7	394,204	53.0	387,461	52.2	531,388	47.7	491,123	70.9
Junior Colleges:										
SUBTOTAL	627,746	48.1	58,332	58.3	60,207	55.8	57,109	52.0	54,813	71.7
GRAND TOTAL	34,612,908	63.1	3,419,763	80.0	7,023,048	84.7	6,859,271	76.6	3,577,461	87.5

Table 26

Accessible Area by Room Code

(Percentages relate to assignable space under each room code.)

Special Use Facilities (500)		General Use Facilities (600)		Supporting Facilities (700)		Health Care Facilities (800)		Residential Facilities (900)		Unclassified Facilities (000)		INSTITUTION
Sq. Ft.	%	Sq. Ft.	%	Sq. Ft.	%	Sq. Ft.	%	Sq. Ft.	%	Sq. Ft.	%	
												Major Research Universities:
224,996	44.0	259,586	71.0	105,822	51.9	11,089	97.7	75,542	7.8	8,645	59.0	NC State
33,931	67.1	10,496	94.7	6,734	100.0	52,277	99.1	-	-	-	-	NC State Vet.
455,153	86.0	379,225	75.5	179,078	73.1	20,006	95.2	101,358	8.8	33,121	45.9	UNC-Chapel Hill
63,716	95.2	46,079	99.8	21,987	69.1	61,904	97.6	0	0.0	12,004	80.3	UNC-Health Aff.
777,796	67.1	695,386	75.2	313,621	64.4	145,276	97.8	176,900	8.3	53,770	52.8	SUBTOTAL
												Other Doctoral Universities:
97,434	88.1	222,694	73.1	84,418	86.5	9,044	96.1	84,593	17.2	10,412	54.0	UNC-Greensboro
												Comprehensive Universities:
112,649	56.5	254,687	80.1	56,738	58.3	11,921	99.6	43,737	7.2	972	66.4	Appalachian
116,439	72.8	160,677	72.3	40,828	54.2	-	-	8,737	1.2	1,255	86.3	East Carolina
19,235	62.0	8,221	92.2	10,433	65.2	33,939	91.9	-	-	-	-	ECU-Health Aff.
14,627	31.3	36,455	42.2	15,872	58.5	0	0.0	4,610	3.2	-	-	Fayetteville
123,747	62.2	111,222	66.9	30,026	89.5	6,016	100.0	4,200	1.2	0	0.0	NC A & T
81,179	59.4	32,155	30.2	5,121	15.2	0	0.0	14,892	5.8	380	4.0	NC Central
94,583	96.2	195,129	97.5	35,298	100.0	6,162	90.9	290,292	58.0	-	-	UNC-Charlotte
63,576	63.4	53,514	58.1	21,598	83.0	1,219	100.0	32,842	11.4	4,063	27.9	UNC-Wilmington
155,103	80.2	183,079	80.4	62,126	79.3	1,924	45.0	134,436	27.2	11,817	55.0	West'n Carolina
781,138	67.1	1,035,139	72.5	278,040	65.8	61,181	80.7	533,746	15.9	18,487	32.3	SUBTOTAL
												Gen. Baccalaureate Universities:
62,470	91.6	77,493	91.3	14,543	94.9	0	0.0	22,249	14.1	199	100.0	Elizabeth City
48,255	77.0	71,316	85.7	10,436	51.7	2,160	76.6	6,832	6.2	13,296	100.0	Pembroke
13,342	38.5	52,915	92.4	17,915	95.9	916	81.3	79,701	69.7	-	-	UNC-Asheville
59,925	90.2	74,647	82.7	14,892	65.4	0	0.0	23,239	16.8	29,083	95.8	Winston-Salem
183,992	79.3	276,371	87.6	57,786	75.1	3,076	27.2	132,021	25.3	42,578	97.1	SUBTOTAL
												Specialized Institution:
5,493	43.7	59,026	76.5	21,622	93.8	0	0.0	20,064	21.7	20,724	100.0	NC Sch. of Arts
												Teaching Hospitals:
1,692	100.0	43,090	100.0	46,743	99.6	388,502	99.5	3,311	100.0	14,252	100.0	UNC Hosp. at C. Hill
												Community Colleges:
409,409	89.7	890,180	96.3	344,437	82.2	1,480	82.4	897	9.4	185,069	82.9	SUBTOTAL
						PRIVATE INSTITUTIONS						
												Major Research Universities:
265,758	58.7	602,688	76.3	280,292	59.0	762,158	98.8	189,728	11.6	15,473	68.9	SUBTOTAL
												Gen. Baccalaureate Colleges:
868,389	69.0	1,098,185	57.8	154,472	38.1	22,534	49.2	532,961	13.3	12,552	9.5	SUBTOTAL
												Junior Colleges:
83,092	61.8	158,057	68.1	33,668	74.4	3,629	41.2	118,839	24.4	0	0.0	SUBTOTAL
3,474,193	69.7	5,080,816	73.2	1,615,099	64.6	1,396,880	95.4	1,793,060	14.1	373,317	58.3	GRAND TOTAL

Table 26

Accessible Area by Room Code

(Percentages relate to assignable space under each room code.)

INSTITUTION	Total Accessible Area		Classroom Facilities (100)		Laboratory Facilities (200)		Office Facilities (300)		Study Facilities (400)	
	Sq. Ft.	%	Sq. Ft.	%	Sq. Ft.	%	Sq. Ft.	%	Sq. Ft.	%
Community Colleges:										
Alamance CC	136,128	99.4	27,481	100.0	56,131	99.7	21,772	99.9	7,884	100.0
Anson CC	40,971	80.2	5,451	86.7	14,030	73.7	5,059	57.6	6,624	100.0
Asheville-Bun. TCC	238,074	86.8	46,644	83.8	66,557	93.6	21,787	69.4	7,115	100.0
Beaufort Co. CC	92,312	92.1	12,296	75.4	35,957	98.4	14,118	87.7	8,925	100.0
Bladen CC	75,844	96.3	9,658	100.0	30,950	93.2	8,366	98.7	5,240	100.0
Blue Ridge CC	122,142	99.5	19,183	100.0	47,819	99.1	13,638	99.5	10,734	100.0
Brunswick CC	95,796	86.1	18,766	100.0	19,090	74.4	15,490	97.4	9,092	62.3
Caldwell CC & TI	140,218	93.3	19,952	89.5	52,718	88.2	20,411	97.8	12,941	100.0
Cape Fear CC	137,241	97.3	17,621	96.1	61,183	98.7	28,567	98.7	11,926	100.0
Carteret CC	106,094	87.2	12,733	92.2	36,875	96.4	8,471	80.8	6,361	91.4
Catawba Vy. CC	178,628	88.1	42,027	100.0	67,447	82.2	28,046	59.0	14,981	100.0
C. Carolina CC	127,062	98.0	23,289	100.0	58,933	97.2	20,337	97.8	8,507	97.1
C. Piedmont CC	461,090	93.9	86,401	95.2	154,180	91.9	83,571	96.4	57,192	100.0
Cleveland CC	130,239	98.6	21,959	94.5	44,686	100.0	17,454	99.1	13,500	100.0
Coastal Car. CC	159,732	100.0	25,682	100.0	68,313	100.0	23,137	100.0	15,293	100.0
Col. Albemarle	100,456	99.9	17,142	100.0	38,976	99.7	16,883	100.0	12,219	100.0
Craven CC	91,089	99.4	18,807	100.0	38,511	98.7	12,412	99.6	14,418	100.0
Davidson Co. CC	144,613	98.4	29,217	100.0	43,636	100.0	23,039	100.0	15,832	98.4
Durham TCC	154,124	95.0	30,393	89.9	60,066	98.6	27,962	93.0	13,147	100.0
Edgecombe CC	76,244	81.8	13,122	65.3	26,312	77.1	14,492	90.5	8,312	98.8
Fayettev'le TCC	268,490	92.3	53,855	98.1	73,561	91.4	54,408	93.6	14,552	98.6
Forsyth TCC	302,978	98.2	63,020	100.0	109,663	96.0	44,996	99.4	20,244	100.0
Gaston Col.	186,166	93.3	42,121	94.8	72,000	96.8	29,679	94.4	9,772	100.0
Guilford TCC	333,384	79.9	70,086	81.3	115,323	78.9	56,173	86.8	27,468	91.7
Halifax CC	87,433	99.2	14,018	100.0	29,316	100.0	14,599	99.5	11,571	100.0
Haywood CC	161,921	88.3	9,300	71.0	95,590	95.6	17,303	95.1	7,038	100.0
Isothermal CC	139,615	85.0	24,008	86.4	50,394	87.9	17,380	90.9	1,432	13.1
J. Sprunt CC	82,671	94.7	14,368	97.6	34,758	98.5	17,032	88.2	4,336	100.0
Johnston CC	138,435	98.8	21,654	100.0	47,244	99.5	13,448	99.7	14,057	100.0
Lenoir CC	170,675	98.4	33,683	97.2	42,681	97.3	22,618	98.1	22,621	99.0
Martin CC	108,464	97.8	13,115	95.0	46,673	99.5	11,330	90.4	13,448	100.0
Mayland CC	58,445	98.9	9,564	100.0	13,654	99.6	10,705	99.9	8,531	100.0
McDowell TCC	69,719	96.2	14,525	89.1	31,413	98.4	11,295	97.0	4,962	100.0
Mitchell CC	149,859	82.6	29,562	94.1	50,581	96.8	18,495	82.9	14,231	99.2
Montgomery CC	47,371	99.4	6,280	100.0	23,664	99.9	6,567	98.2	2,909	100.0
Nash CC	126,724	99.0	30,135	97.8	58,131	99.9	21,520	98.5	4,400	100.0
Pamlico CC	27,496	95.7	4,363	100.0	11,183	100.0	4,419	98.5	3,916	100.0
Piedmont CC	96,956	98.7	12,501	97.1	26,495	97.9	14,552	98.9	7,377	100.0
Pitt CC	120,890	91.2	19,525	88.0	46,811	96.3	16,584	70.8	19,711	100.0
Randolph CC	142,787	100.0	25,552	100.0	57,800	100.0	22,421	100.0	12,034	100.0
Richmond CC	104,408	91.3	15,307	86.2	39,030	93.9	22,176	93.7	10,351	90.4
Roanoke-Cho. CC	80,175	95.9	14,989	100.0	30,026	100.0	11,315	99.7	7,512	100.0
Robeson CC	132,923	97.6	24,051	100.0	43,945	99.9	23,755	99.9	11,391	100.0
Rockingham CC	180,924	94.6	34,238	95.8	54,872	96.1	23,675	99.6	12,331	100.0
Rowan-Cab. CC	146,324	100.0	32,217	100.0	47,947	100.0	22,700	100.0	15,523	100.0
Sampson CC	86,079	98.1	12,178	100.0	29,132	98.4	15,361	99.7	11,144	100.0
Sandhills CC	188,877	93.9	29,845	98.2	51,516	98.9	26,021	88.9	19,753	99.6
Southeastern CC	98,731	80.4	11,097	49.9	36,121	92.4	13,876	66.7	10,446	79.8
Southwestern CC	135,096	97.8	25,584	100.0	38,607	100.0	23,017	99.1	9,688	100.0
Stanly CC	73,803	100.0	16,794	100.0	26,407	100.0	12,957	99.8	5,223	100.0
Surry CC	125,179	93.5	14,643	65.7	43,796	100.0	16,926	96.7	11,261	100.0
Tri-County CC	80,124	96.6	17,606	98.1	35,455	99.6	7,247	97.3	5,267	84.7
Vance-Granv. CC	123,129	97.2	21,315	97.7	42,214	100.0	18,636	99.1	9,715	100.0
Wake TCC	226,595	90.7	46,983	92.2	65,437	92.1	42,190	98.5	29,914	100.0
Wayne CC	207,404	95.2	35,244	95.6	62,877	91.6	30,251	94.8	23,851	100.0
W. Piedmont CC	126,309	94.3	21,510	99.7	39,791	99.9	18,481	96.4	10,442	100.0
Wilkes CC	160,682	97.1	23,038	95.1	42,305	99.9	19,078	97.9	10,904	100.0
Wilson Co. TC	115,633	98.5	15,332	100.0	52,869	100.0	19,233	96.7	9,817	100.0
TOTAL	8,020,971	93.5	1,421,030	93.3	2,841,652	94.9	1,217,431	94.1	709,386	96.7

Accessible Area by Room Code

Table 26

(Percentages relate to assignable space under each room code.)

Special Use Facilities (500)		General Use Facilities (600)		Supporting Facilities (700)		Health Care Facilities (800)		Residential Facilities (900)		Unclassified Facilities (000)		INSTITUTION
Sq. Ft.	%	Sq. Ft.	%	Sq. Ft.	%	Sq. Ft.	%	Sq. Ft.	%	Sq. Ft.	%	
												Community Colleges:
5,236	100.0	10,261	100.0	4,242	100.0	-	-	0	0.0	3,121	100.0	Alamance CC
240	100.0	4,416	89.3	4,579	100.0	-	-	-	-	572	100.0	Anson CC
9,733	100.0	7,993	97.7	12,324	84.4	-	-	-	-	65,921	86.1	Ashev'le-Bun. TCC
1,072	100.0	10,546	88.8	9,398	100.0	-	-	-	-	-	-	Beaufort Co. CC
349	100.0	14,101	96.3	5,747	100.0	-	-	-	-	1,433	100.0	Bladen CC
6,002	100.0	15,683	99.8	9,083	99.2	-	-	-	-	-	-	Blue Ridge CC
1,714	100.0	13,038	100.0	3,741	100.0	-	-	-	-	14,865	83.1	Brunswick CC
15,570	98.8	11,530	100.0	4,900	100.0	-	-	-	-	2,196	100.0	Caldwell CC & TI
3,283	100.0	11,683	88.1	2,978	100.0	-	-	0	0.0	-	-	Cape Fear CC
1,275	100.0	22,272	98.2	18,107	92.4	-	-	-	-	0	0.0	Carteret CC
6,674	92.4	14,717	100.0	2,814	24.6	-	-	-	-	1,922	100.0	Catawba Vy. CC
3,474	100.0	8,235	100.0	4,271	97.3	16	45.7	-	-	-	-	C. Carolina CC
26,818	89.5	41,543	93.0	10,750	100.0	-	-	0	0.0	635	100.0	C. Piedmont CC
11,752	100.0	16,734	100.0	3,922	91.6	-	-	-	-	232	100.0	Cleveland CC
4,526	100.0	16,742	100.0	6,039	100.0	-	-	-	-	-	-	Coastal Car. CC
726	100.0	10,900	100.0	3,610	100.0	-	-	-	-	-	-	Col. Albemarle
1,797	100.0	4,250	100.0	894	100.0	-	-	-	-	-	-	Craven CC
16,056	89.5	12,130	98.5	4,703	100.0	-	-	-	-	-	-	Davidson Co. CC
2,441	100.0	12,025	100.0	7,898	82.6	-	-	-	-	192	100.0	Durham TCC
1,860	92.5	10,975	98.9	1,171	81.8	-	-	-	-	-	-	Edgecombe CC
15,128	84.8	40,104	100.0	11,174	59.0	378	100.0	-	-	5,330	96.4	Fayettev'le TCC
17,369	98.4	35,484	98.9	10,225	100.0	-	-	-	-	1,977	100.0	Forsyth TCC
3,730	61.4	22,553	94.0	1,302	29.0	279	100.0	-	-	4,730	100.0	Gaston Col.
10,781	54.1	40,383	91.6	13,086	50.7	84	100.0	-	-	0	0.0	Guilford TCC
1,069	100.0	12,523	99.5	4,337	88.2	-	-	-	-	-	-	Halifax CC
17,129	60.9	11,326	100.0	4,002	73.7	-	-	233	100.0	-	-	Haywood CC
29,170	99.3	8,121	76.5	9,110	100.0	-	-	-	-	-	-	Isothermal CC
303	100.0	8,830	95.4	3,044	74.5	-	-	-	-	-	-	J. Sprunt CC
11,761	90.0	24,735	99.7	5,536	99.1	-	-	-	-	-	-	Johnston CC
21,620	99.8	11,148	100.0	6,547	100.0	-	-	125	100.0	9,632	100.0	Lenoir CC
5,808	100.0	11,890	100.0	6,200	94.4	-	-	-	-	-	-	Martin CC
5,189	100.0	5,493	100.0	5,309	90.4	-	-	-	-	-	-	Mayland CC
1,127	100.0	3,888	97.4	2,399	100.0	110	100.0	-	-	-	-	McDowell TCC
10,195	80.6	20,424	72.0	2,200	26.8	-	-	-	-	4,171	35.4	Mitchell CC
1,419	92.3	4,096	100.0	2,436	100.0	-	-	-	-	-	-	Montgomery CC
-	-	9,006	97.8	3,532	100.0	-	-	-	-	-	-	Nash CC
465	100.0	2,114	100.0	1,036	47.2	-	-	-	-	-	-	Pamlico CC
12,031	100.0	13,255	98.9	10,745	100.0	-	-	-	-	-	-	Piedmont CC
7,462	97.4	6,818	100.0	3,979	100.0	-	-	-	-	0	0.0	Pitt CC
4,769	100.0	12,650	100.0	7,381	100.0	-	-	-	-	180	100.0	Randolph CC
1,445	100.0	10,863	94.0	4,619	73.5	100	100.0	-	-	517	100.0	Richmond CC
-	-	6,994	100.0	5,504	100.0	-	-	-	-	3,835	53.1	Roanoke-Cho. CC
1,747	100.0	21,732	87.0	6,302	100.0	-	-	-	-	-	-	Robeson CC
20,897	76.7	23,416	99.2	9,600	100.0	-	-	-	-	1,895	100.0	Rockingham CC
3,597	100.0	16,413	100.0	7,927	100.0	-	-	-	-	-	-	Rowan-Cab. CC
0	0.0	10,026	100.0	3,122	100.0	-	-	-	-	5,116	100.0	Sampson CC
10,255	83.6	31,465	99.2	7,958	92.9	-	-	539	9.7	11,525	99.8	Sandhills CC
9,969	98.3	11,872	100.0	5,350	95.7	-	-	-	-	-	-	Southeastern CC
3,863	100.0	30,015	100.0	4,322	60.9	-	-	-	-	-	-	Southwestern CC
1,444	100.0	10,282	100.0	696	100.0	-	-	-	-	-	-	Stanly CC
17,796	100.0	14,888	97.0	5,869	100.0	-	-	-	-	-	-	Surry CC
-	-	13,749	100.0	800	40.2	-	-	-	-	-	-	Tri-County CC
2,764	100.0	20,823	100.0	2,176	42.6	-	-	-	-	5,486	100.0	Vance-Granv. CC
4,621	95.2	18,260	97.6	9,138	50.0	328	100.0	-	-	9,724	74.8	Wake TCC
3,643	100.0	23,712	98.5	13,165	100.0	131	100.0	-	-	14,530	93.0	Wayne CC
5,855	78.7	12,670	100.0	2,174	29.3	54	100.0	-	-	15,332	100.0	W. Piedmont CC
22,591	99.9	31,347	90.8	11,419	100.0	-	-	-	-	-	-	Wilkes CC
1,799	100.0	7,038	100.0	9,545	92.0	0	0.0	-	-	-	-	Wilson Co. TC
409,409	89.7	890,180	96.3	344,437	82.2	1,480	82.4	897	9.4	185,069	82.9	TOTAL

Institutional Index

Institution	Type*	FICE Code	County	City	Congr. Dist.**
Alamance Community College	1-3	005463	Alamance	Haw River 27258	06
Anson Community College	1-3	007985	Anson	Ansonville 28007	08
Appalachian State University	1-2	002906	Watauga	Boone 28608	10
Asheville-Buncombe TCC	1-3	004033	Buncombe	Asheville 28801	11
Atlantic Christian College	2-2	002908	Wilson	Wilson 27893	02
Barber-Scotia College	2-2	002909	Cabarrus	Concord 28025	08
Beaufort County CC	1-3	008558	Beaufort	Washington 27889	01
Belmont Abbey College	2-2	002910	Gaston	Belmont 28012	10
Bennett College	2-2	002911	Guilford	Greensboro 27420	06
Bladen Community College	1-3	007987	Bladen	Dublin 28332	03
Blue Ridge Community College	1-3	009684	Henderson	Flat Rock 28731	11
Bowman Gray Sch. of Medicine	2-2		Forsyth	Winston-Salem 27103	05
Brevard College	2-3	002912	Transylvania	Brevard 28712	11
Brunswick Community College	1-3	029275	Brunswick	Supply 28462	07
Caldwell CC & TI	1-3	004835	Caldwell	Hudson 28638-1399	10
Campbell University	2-2	002913	Harnett	Buie's Creek 27506	03
Cape Fear Community College	1-3	005320	New Hanover	Wilmington 28401	07
Carteret Community College	1-3	008081	Carteret	Morehead City 28557	01
Catawba College	2-2	002914	Rowan	Salisbury 28144	08
Catawba Valley CC	1-3	005318	Catawba	Hickory 28601	10
Central Carolina CC	1-3	005449	Lee	Sanford 27330	03
Central Piedmont CC	1-3	002915	Mecklenburg	Charlotte 28204	09
Chowan College	2-3	002916	Hertford	Murfreesboro 27855	01
Cleveland Community College	1-3	008082	Cleveland	Shelby 28150	10
Coastal Carolina CC	1-3	008084	Onslow	Jacksonville 28540	03
College of the Albemarle	1-3	002917	Pasquotank	Elizabeth City 27909	01
Craven Community College	1-3	008086	Craven	New Bern 28560	01
Davidson College	2-2	002918	Mecklenburg	Davidson 28036	09
Davidson County CC	1-3	002919	Davidson	Lexington 27292	06
Duke University	2-1	002920	Durham	Durham 27706	02
Duke Medical Center	2-2		Durham	Durham 27706	02
Durham Technical CC	1-3	005448	Durham	Durham 27703	02
East Carolina University	1-2	002923	Pitt	Greenville 27834	01
ECU-Health Affairs	1-1		Pitt	Greenville 27834	01
Edgecombe Community College	1-3	008855	Edgecombe	Tarboro 27886	02
Elizabeth City State University	1-2	002926	Pasquotank	Elizabeth City 27909	01
Elon College	2-2	002927	Alamance	Elon College 27244	06
Fayetteville State University	1-2	002928	Cumberland	Fayetteville 28301	07
Fayetteville TCC	1-3	007640	Cumberland	Fayetteville 28303	07
Forsyth TCC	1-3	005317	Forsyth	Winston-Salem 27103	05
Gardner-Webb College	2-2	002929	Cleveland	Boiling Springs 28017	10
Gaston College	1-3	002973	Gaston	Dallas 28034	10
Greensboro College	2-2	002930	Guilford	Greensboro 27420	06
Guilford College	2-2	002931	Guilford	Greensboro 27410	06
Guilford Technical CC	1-3	004838	Guilford	Jamestown 27282	06
Halifax Community College	1-3	007986	Halifax	Weldon 27890	02
Haywood Community College	1-3	008083	Haywood	Clyde 28721	11

*See page 200

Institution	Type*	FICE Code	County	City	Congr. Dist.**
High Point College	2-2	002933	Guilford	High Point 27262	06
Isothermal Community College	1-3	002934	Rutherford	Spindale 28160	11
James Sprunt Community College	1-3	007687	Duplin	Kenansville 28349	03
Johnson C. Smith University	2-2	002936	Mecklenburg	Charlotte 28216	09
Johnston Community College	1-3	009336	Johnston	Smithfield 27577	03
Lees-McRae College	2-3	002939	Avery	Banner Elk 28604	10
Lenoir Community College	1-3	002940	Lenoir	Kinston 28501	01
Lenoir-Rhyne College	2-2	002941	Catawba	Hickory 28603	10
Livingstone College	2-2	002942	Rowan	Salisbury 28144	08
Louisburg College	2-3	002943	Franklin	Louisburg 27549	04
Mars Hill College	2-2	002944	Madison	Mars Hill 28754	11
Martin Community College	1-3	007988	Martin	Williamston 27892	01
Mayland Community College	1-3	011197	Mitchell	Spruce Pine 28777	11
McDowell Community College	1-3	008085	McDowell	Marion 28752	11
Meredith College	2-2	002945	Wake	Raleigh 27607-5298	04
Methodist College	2-2	002946	Cumberland	Fayetteville 28301	07
Mitchell Community College	1-3	002947	Iredell	Statesville 28677	09
Montgomery Community College	1-3	008087	Montgomery	Troy 27371	08
Montreat-Anderson College	2-3	002948	Buncombe	Montreat 28757	11
Mount Olive College	2-2	002949	Wayne	Mount Olive 28365	03
Nash Community College	1-3	008557	Nash	Rocky Mount 27801	02
N. C. A & T State University	1-2	002905	Guilford	Greensboro 27411	06
N. C. Central University	1-2	002950	Durham	Durham 27707	02
N. C. School of the Arts	1-2	003981	Forsyth	Winston-Salem 27107	05
N. C. State University	1-1	002972	Wake	Raleigh 27650	04
NCSU Veterinary School	1-1		Wake	Raleigh 27650	04
N. C. Wesleyan College	2-2	002951	Nash	Rocky Mount 27801	02
Pamlico Community College	1-3	007031	Pamlico	Grantsboro 28529	01
Peace College	2-3	002953	Wake	Raleigh 27604	04
Pembroke State University	1-2	002954	Robeson	Pembroke 28372	07
Pfeiffer College	2-2	002955	Stanly	Misenheimer 28109	08
Piedmont Bible College	2-2	002956	Forsyth	Winston-Salem 27101	05
Piedmont Community College	1-3	009646	Person	Roxboro 27573	02
Pitt Community College	1-3	004062	Pitt	Greenville 27834	01
Queens College	2-2	002957	Mecklenburg	Charlotte 28274-0001	09
Randolph Community College	1-3	005447	Randolph	Asheboro 27203	04
Richmond Community College	1-3	005464	Richmond	Hamlet 28345	08
Roanoke-Chowan CC	1-3	008613	Hertford	Ahoskie 27910	01
Robeson Community College	1-3	008612	Robeson	Lumberton 28358	07
Rockingham Community College	1-3	002958	Rockingham	Wentworth 27375	05
Rowan-Cabarrus CC	1-3	005754	Rowan	Salisbury 28144	08
Saint Andrews Presbyterian C.	2-2	002967	Scotland	Laurinburg 28352	08
Saint Augustine's College	2-2	002968	Wake	Raleigh 27611	04
Saint Mary's College	2-3	002969	Wake	Raleigh 27603-1689	04
Salem College	2-2	002960	Forsyth	Winston-Salem 27108	05
Sampson Community College	1-3	007892	Sampson	Clinton 28328	03
Sandhills Community College	1-3	002961	Moore	Southern Pines 28327	03
Shaw University	2-2	002962	Wake	Raleigh 27602	04
Southeastern Community College	1-3	002964	Columbus	Whiteville 28472	07
Southwestern Community College	1-3	008466	Jackson	Sylva 28779	11

Institution	Type*	FICE Code	County	City	Congr. Dist.**
Stanly Community College	1-3	011194	Stanly	Albemarle 28001	08
Surry Community College	1-3	002970	Surry	Dobson 27017	05
Tri-County Community College	1-3	009430	Cherokee	Murphy 28906	11
U. of N. C. at Asheville	1-2	002907	Buncombe	Asheville 28814	11
U. of N. C. at Chapel Hill	1-1	002974	Orange	Chapel Hill 27514	04
U. of N. C. at Charlotte	1-2	002975	Mecklenburg	Charlotte 28223	09
U. of N. C. at Greensboro	1-2	002976	Guilford	Greensboro 27412	06
U. of N. C. Health Affairs	1-1		Orange	Chapel Hill 27514	04
U. of N. C. at Wilmington	1-2	002984	New Hanover	Wilmington 28406	07
Vance-Granville Community College	1-3	009903	Vance	Henderson 27536	02
Wake Forest University	2-1	002978	Forsyth	Winston-Salem 27109	05
Wake Technical CC	1-3	004844	Wake	Raleigh 27603	04
Warren Wilson College	2-2	002979	Buncombe	Swannanoa 28778	11
Wayne Community College	1-3	002980	Wayne	Goldsboro 27530	03
Western Carolina University	1-2	002981	Jackson	Cullowhee 28723	11
Western Piedmont CC	1-3	002982	Burke	Morganton 28655	10
Wilkes Community College	1-3	002983	Wilkes	Wilkesboro 28697	05
Wilson County TC	1-3	004845	Wilson	Wilson 27893	02
Wingate College	2-2	002985	Union	Wingate 28174	08
Winston-Salem State University	1-2	002986	Forsyth	Winston-Salem 27102	05

*The Type Code in this index indicates the control and level of the institution. Controls are a "1" for public and a "2" for private institutions. The level codes, which follow the dash, are a "1" for doctoral, a "2" for baccalaureate and graduate levels less than doctoral, and a "3" for 2-year institutions.

**Based on 1980 census.

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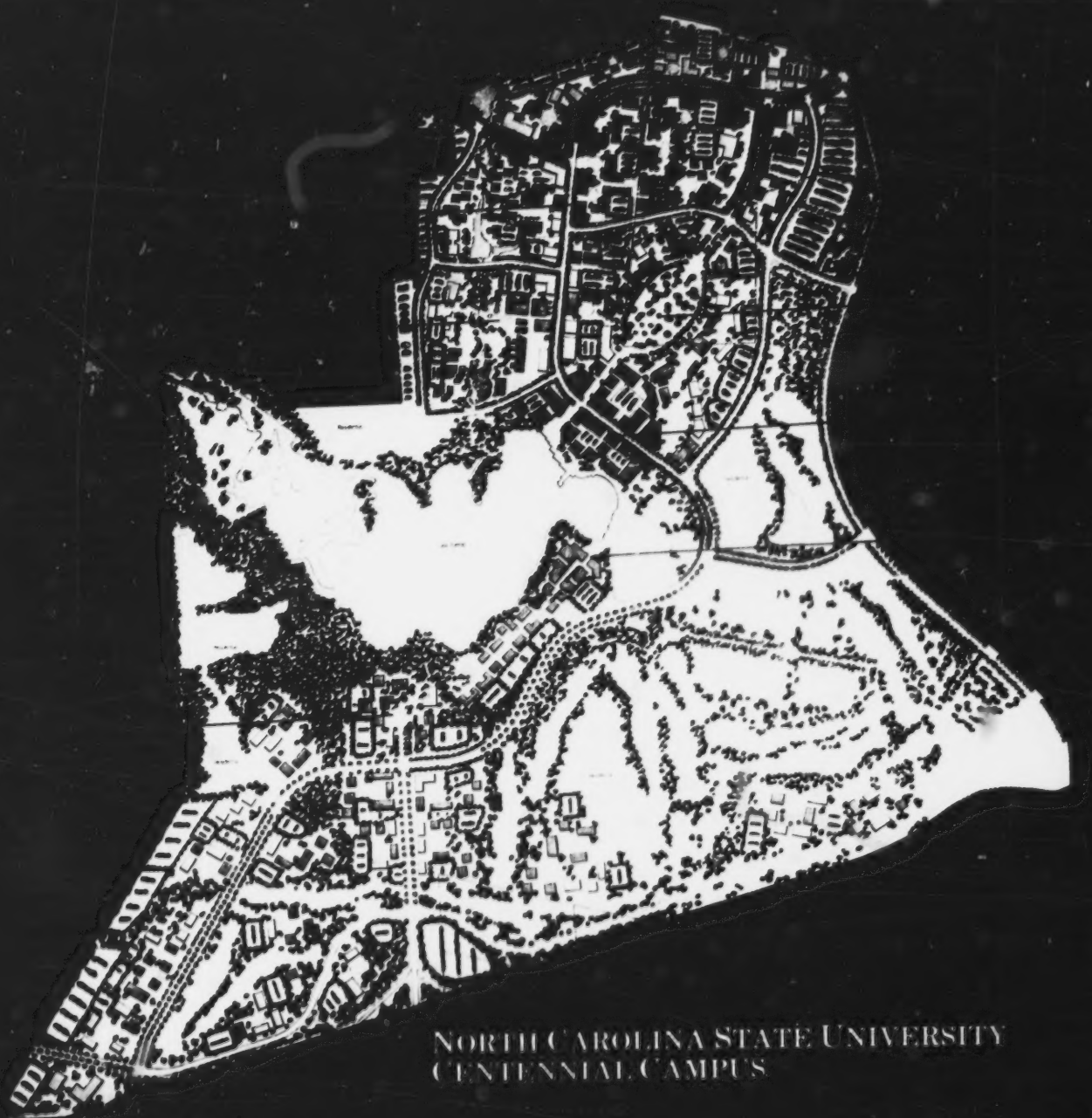

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